

Pavistamp®

Continuous pavement innovators

Product Guide





We only care about quality

In accordance with the evolution of standards and as a complement, Pavistamp tries to reduce the environmental impact parameters of each classification criterion and tries to improve the performance of each product.

Our product range is developed and periodically reviewed following a rigorous manufacturing protocol. We guarantee the quality of the products under control and certified by independent approved laboratories.

About us

A family-owned company founded in 1990, it is now committed to implementing and improving the environmental impact of building materials and to meet the needs of present generations without compromising the ability of future generations to meet their own those of the future to meet their own needs.

Pavistamp is committed to new generation ECO products formulated with 100% recycled aggregates. Currently continues its expansion to other countries in the world, with new products such as 100% ecological mortars Green Line pavements and lime mortars, thermal insulation (SATE), self-leveling mortars and repairers, mortars glue and joints, epoxy resins, microcements...

Today it is a dynamic and flexible company adapted to the needs of the sector that distributes its products all over the world, always following a policy of quality and customer satisfaction. of quality and customer satisfaction.

Pavistamp has a management system, in accordance with the UNE-EN ISO 9001:2000 Standard for the activities of design and production of products, coating systems for pavements and facades.and façade coating systems, as well as the commercialization of tools for the application of the tools for the application of the same.

ALL MORTARS MEET THE REQUIREMENTS OF THE UNE-EN STANDARD:



- Green Line 100% a gregados de reciclado
- Microcementos
- Autonivelantes
- Pavimento industrial
- Morteros monocapa
- Morteros reparadores
- Morteros cola

EN-13813-2003
EN-13748-2:2004
EN-13813:2003
EN-127020:1999
EN-998-1:2003
EN-1504-3
EN-12004:2008

Índex



GREEN LINE

PAVEMENTS



PAVEMENTS

RENOVATION SOILS



COVERING

ACRYLIC-EPOXY



MORTARS FOR REPAIR

AND ASSEMBLY



GLUE MORTARS

TILE AND STONEWARE REJOINT



COATINGS

FACADE DECORATION



LIME MORTARS

REVEX-CAL



ACTIVA PRODUCTS



COMPLEMENTARY PRODUCTS

Green Line Pavements

To improve the environmental impact of building materials and meet the needs of present generations without compromising the ability of future generations to meet their own needs, **Pavistamp is committed to new generation ECO products formulated 100% from recycled aggregates.**

Respect for the environment, energy costs, constant growth, awareness of climate change in action and global warming have led to an upward trend in the use of recycled aggregates.
the upward trend of Green Line products worldwide.

Buildings have a high impact on the environment, improving environmental performance is now our priority to meet the challenges of climate change. The building system is at the heart of global sustainability issues.

In 2005, Pavistamp began its work on the basis of a preliminary study on the environmental impact of chemical products for the construction sector. As a result of this study and extensive documentation on the effects on health and the environment has been developing the Green Line Eco, the first evaluation method to guide the development of more environmentally friendly products and help consumers in their choice, filling a legislative gap and putting order in the proliferation of a number of voluntary environmental classifications, fragmented and incomplete.

The **Green Line Eco** has been created to give the building market an instrument capable of guiding the design and construction of eco-compatible buildings using green technology products that contribute to a healthy and safe environment for people and nature, as they reduce the environmental impact when used or distributed.

The Green Line Eco is the benchmark that will give value to the environmental performance of building materials with a purpose:

- Standardize a measurable methodology of what is a green product.
- Improve environmental performance over time.
- Encourage producers to develop Eco products.
- Properly inform public opinion about Green Line benefits.
- Transform the construction sector towards sustainability over time.

Stone-Feel Industrial®

High-Tech 100% concrete recycled aggregates

Reconstructed concrete, cement, fibers, organic additives.



Product

- Polished/Bush-hammered continuous pavement.
- Over fresh concrete.
- Thicknesses > 14mm.
- Quick operating disposal.
- Color range.

Observations

Do not apply:

- With ambient humidity > 85%, with direct insolation and extreme temperatures.
- In different thicknesses.
- Over fresh resistance concrete < 250 kg/cm².
- Over wet floors subjected to continuous humidity rising.
- Over mortars calcium sulfate and lime base.

Characteristics

- Kneading with concrete mixer.
- The percentage of water may vary according to the mixer used.
- Mass life: 30-45 minutes.
- Setting start: same as a concrete.
- Dry touch: > 3 hours.
- Passable (pedestrian): > 10 hours.
- Time for dry polish: > 24 hours.

** These results are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances (10 mm)

- Kneading water (in laboratory): 12 %
- Bending resistance: > 9 N/mm²
- Compression resistance: > 50 N/mm²
- Wastage UNE-EN 13892-4: 18 cm³ / 50 cm²
- Abrasion wear: ≤ 21mm
- Slip resistance according CTE:
 - **Bush-hammered finish: Class 3
 - **Polished finish: Class 1
- Adhesion on concrete: ≥ 1,5 N/mm²
- Impact resistance, UNE-EN 12633;
 - **Height of fall: > 1500 mm
 - **Value IR: IR=14,7 N-m
- Behavior against fire: A1 Euroclass
- Designation: EN 13813:2003 - CT-C40-F7-A21

*** These results are from standard essays and can oscillate depending on the workplace conditions.*

Enforcements

- Fluid concrete based on recycled aggregates for the continuous floor formation over fresh concrete, on new construction or rehabilitation.
- For floor where a high planimetry is required.
- Public construction, great surfaces, hotels, private construction...
- Renovation of industrial floors, industry, sport courts, skating rinks...
- Light traffic and moderated heavy traffic.
- Indoors and outdoors.

Supports

- Over fresh concrete (fresh on fresh).

Thicknesses

- > 14mm (according grain size) over fresh concrete.
- System minimum thickness (concrete + finish):
8 cm in every point.

Finish

- Polished – Bush-hammered.

Recommendations

- Application temperatures 5°C to 30°C.
- Respect always the same time and water percentage during the kneading.
- Do not add any additive to the concrete.
- Respect the minimum thicknesses required depending on the kind of support.
- Respect, perimeter joint (min. 5 mm), expansion and division joint.

Execution conditions

- The support in order to receive the concrete has to be solid and hard, dry, without dust, degrading zones, painting, oils...
- The fresh concrete has to have a good flatness and has to be without water and slag raise by capillarity.
- In interiors, poured on fresh concrete of resistance: ≥ 200 kg/cm² and reinforced with 3 kg/m³ of Fiberglass.
- On outsides spilt of Stone Feel Industrial over fresh concrete with resistance: ≥ 250 kg/cm² and reinforced with 3 kg/m³ of Fiberglass.
- Avoid the fresh concrete spilt with ponded water.
- Avoid coating application with low temperatures, direct insolation, strong wind, humidity, rain or frost possibility.
- Do not proceed the spilt over fresh concrete with excess of additives, fluid agents...
- Dispose always from awnings if it is necessary in the event of rain or direct insolation.
- Respect the expansion joints, work joints, through a cut or profile placement.

Stone-Feel Industrial®

High-Tech 100% concrete
recycled aggregates

Usage way

Kneading water according grain size 12-14% (1 sack 25 kg + aggregates)

** The dosage may vary considerably depending on the intensity of the chosen color and size distribution of the aggregate.*

Spilt and levelling of **Stone Feel Industrial** over fresh concrete.

Dry polished: > 24 hours.

****** These times can oscillate depending on the ambient temperature.

Important: Perform always a previous essay with the water percentage that is going to be used in production afterwards.

Associated products

*Hydrofugant- 6772

*HO-sealant

*Silicate



Packaging

25 kg paper sacks
1200 kg pallet (48 sacks)
Aggregates according percent

Colors

14 colors range
(Others on demand)

Consumption

18-22 kg/m² and cm thickness
(aggregate according to particle size)

Preservation

In original closed container and sheltered from the weather
and humidity: 6 months

⚠ IMPORTANT

The observations and prescriptions of this data sheet, although corresponding to our best experience, should be considered, in any case, purely indicative, and should be tested by exhaustive practical applications; therefore, before using the product, the user must establish whether or not it is suitable for the intended use, and assumes all liability that may arise from its use. Once the product has been handled or applied, the manufacturer shall not assume any claim whatsoever, nor any liability as to the manner, mode and conditions of application.

Stone-Feel Pavement®

High-Tech 100% concrete recycled aggregates

Reconstructed concrete, cement, fibers, organic additives.



Product

- Continuous pavement polished finish.
- Public and private construction.
- Thicknesses >14 mm.
- Quick operating disposal.
- Color range.

Observations

Do not apply:

- On outdoor floors
- Over supports with humidity >4%.
- With ambient humidity >85%
- Over wet floors subjected to continuous humidity rising.
- On degrading, fragile or unstable floors.
- Over heating floor on service, stop the heating 24 hours before and turn it on after at least 21 days once the works, following gradually the startup protocol.
- Over mortars calcium sulfate and lime base.

Characteristics

- Kneading and transport by pumping.
- Mass life: 10- 20 minutes.
- Setting start: ±45 minutes.
- Dry touch: 5 a 7 hours.
- Passable (pedestrian): > 10 hours.
- Time for dry polish: >4 days.

** These results are contemplated with 20oC and they can oscillate depending on the ambient temperature.*

Performances (10 mm)

- Kneading water (in laboratory): 12 %
- Bending resistance: ≥ 9 N/mm²
- Compression resistance: ≥ 50 N/mm²
- Wastage UNE-EN 13892-4: 18 cm³ / 50 cm²
- Abrasion wear: ≤ 21 mm
- Slip resistance according to CTE: Class 1
- Adherence over concrete: $\geq 1,5$ N/mm²
- Adherence over nonabsorbent support with joining bridge: $\geq 0,9$ N/mm²
- Impact resistance, UNE-EN 12633;
 - **Height of fall: >1500 mm
 - **Value IR: IR=14,7 N-m
- Behavior against fire: A1 Euroclass
- Designation: EN 13813:2003 - CT-C40-F7-A21

*** These results are from standard essays and can oscillate depending on the workplace conditions.*

Enforcements

- Fluid concrete based on recycled aggregates for the continuous floor formation, on new construction or rehabilitation.
- For floor where a high planimetry is required.
- Public construction, great surfaces, hotels, private construction...
- Industrial floors renovation.
- Light traffic and moderated heavy traffic.
- Indoors

Supports

- Mortars and concretes, of high resistance to the compression (> 25 N/mm²).
- Over supports with humidity <4%.

Thicknesses

- >14mm (according grain size) in every point.

Finish

- Polished.

Recommendations

- Application temperatures 5°C to 30°C.
- The water percentage can oscillate depending on the used mixer.
- Respect always the same time and water percentage during the kneading.
- Do not add any additive to the concrete.
- Respect the minimum thicknesses required depending on the kind of support.
- Respect perimeter joint (min. 5 mm), expansion and division joint.

Execution conditions

- The support has to be solid and hard, dry, without dust, degrading zones, painting, oils...
- Do not apply over fissured concretes, degrading or with movement possibilities.
- Always, over new concrete (setting > 28 days) or old and compression > 25 N/mm², mill the superficial layer until the aggregate appears and apply the **Pavex primer system**.
- In all substrates, with or without absorption (concrete, mortar, ceramics, marble...), milling, aspirating and applying the **Pavex Primer System**.
- Over weak cement bases and without guarantees, mill until the arid appearance, vacuum and reinforce with **Silicato hardener**. If necessary, before pouring, apply 1-2 coats of quick primer **F-300**.
- Respect the expansion joints, work joints, through a cut or profile placement.
- Avoid direct insolation, air streams, during the application and 72 hours after.

Stone-Feel Pavement®

High-Tech 100% concrete
recycled aggregates

Usage way

Kneading water according grain size: 12-14%. (1 sack 25 kg + aggregates).

** The dosage may vary considerably depending on the intensity of the chosen color and size distribution of the aggregate.*

If necessary, use the spiked roll to eliminate the occluded air in the mass and obtain a better levelling.

Dry polished: >4 days.

*** These times can oscillate depending on the ambient temperature.*

Important: Perform always a previous essay with the water percentage that is going to be used in production afterwards.

Associated products

*Pavex-2C primer

*F-300

*Hydrofugant 6772

*HO-sealant

*Silicate



Packaging

25 kg paper sacks
Aggregates according percent
1200 kg pallet (48 sacks)

Colors

14 colors range
(Other on demand)

Consumption

18-22 kg/m² and cm thickness
(aggregate according to particle size)

Preservation

In the closed original container and sheltered from
outdoor and humidity: 6 months

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Stylfloor Industrial®

Colored concrete with aggregates

Marble aggregates, glass , cement, fibers, organic additives.



Product

- Polished/Bush- hammered continuous pavement.
- Over fresh concrete.
- Thickness from >12 mm.
- Quick operating disposal.
- Color range.

Observations

Do not apply:

- With ambient humidity >85%, with direct insolation and extreme temperatures.
- In different thicknesses.
- Over fresh resistance concrete < 250 kg/cm².
- Over wet floors subjected to continuous humidity rising
- Over mortars calcium sulfate and lime base.

Characteristics

- Kneading with concrete mixer.
- Mass life: 30-45 minutes.
- Setting start: same as a concrete.
- Dry touch: > 3 hours.
- Passable (pedestrian): >10 hours.
- Time for dry polish: > 24 hours

** These results are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Kneading water (in laboratory): 12%
- Bending resistance: ≥ 9 N/mm²
- Compression resistance: ≥ 40 N/mm²
- Wastage UNE-EN 13892-4: 17,9 cm³ / 50 cm²
- Wastage UNE-EN 13748-1: $\geq 20,0$ mm
- Adherence over concrete: $\geq 1,3$ N/mm²
- Slip resistance according to CTE;
 - **Polished finish: Class 1
 - **Bush-hammered finish: Class 3
- Impact resistance, UNE-EN 12633;
 - **Height of fall: >1500 mm
 - **Value IR: IR=14,7 N·m
- Behavior against fire: A1 Euroclass
- Designation: EN 13813:2003 - CT-C40-F7-A21

*** These results are from standard essays and can oscillate depending on the workplace conditions.*

Enforcements

- Fluid concrete based on marble aggregates, glass... for the continuous floor formation over fresh concrete, on new construction or rehabilitation.
- For floor where a high planimetry is required.
- Public construction, great surfaces, hotels, private construction...
- Renovation of industrial floors, industry, sport courts, skating rinks...
- Light traffic and moderated heavy traffic.
- Indoors and outdoors.

Supports

- Over fresh concrete (fresh on fresh)

Thicknesses

- Advisable from >12 mm over fresh concrete.
- System minimum thickness (concrete + finish): 8 cm in every point.

Finish

- Polished – Bush-hammered.

Recommendations

- Application temperatures 5°C to 30°C.
- Respect always the same time and water percentage during the kneading.
- The water percentage can oscillate depending on the used mixer.
- Do not add any additive to the concrete.
- Respect the minimum thicknesses required depending on the kind of support.
- Respect, perimeter joint (min. 5 mm), expansion and division joint.

Execution conditions

- The support in order to receive the concrete has to be solid and hard, dry, without dust, degrading zones, painting, oils...
- The fresh concrete has to have a good flatness and has to be without water and slag raise... by capillarity ...
- In interiors, poured over fresh concrete of strength: ≥ 200 kg/cm² and reinforced with 3 kg/m³ of fiberglass.
- Outdoors, poured over fresh concrete of resistance: ≥ 250 kg/cm² and reinforced with 3 kg/m³ of fiberglass.
- Avoid the fresh concrete spilt with ponded water.
- Do not proceed the spilt over fresh concrete with excess of additives, fluid agents ...
- Avoid coating application with low temperatures, direct insolation, strong wind, humidity, rain or frost possibility.
- Dispose always from awnings if it is necessary in the event of rain or direct insolation.
- Respect the expansion joints, workjoints, through a cut or profile placement.

Stylfloor Industrial®

Colored concrete with aggregates

Usage way

Kneading water according grain size: 12-14%.
(1 sack 25 kg + aggregates)

** The dosage may vary considerably depending on the intensity of the chosen color and size distribution of the aggregate.*

Spilt and levelling over fresh concrete.

Dry polished: > 24 hours.

*** These times can oscillate depending on the ambient temperature.*

Important: Perform always a previous essay with the water percentage that is going to be used in production afterwards.

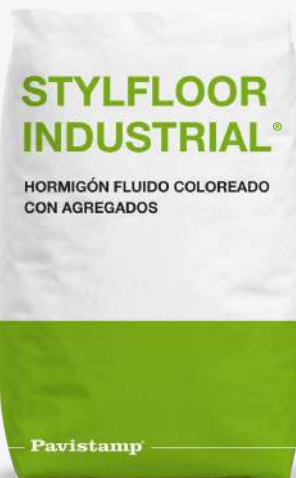
Associated products

*Hydrofugant 6772

*HO-sealant

*Silicate

*F-300



Packaging

25 kg paper sacks
Aggregates according percent
1200 kg pallets (48 sacks)

Colors

14 colors range
(Others on demand)

Consumption

16-20 kg/m² and cm thickness
(aggregate according to particle size)

Preservation

In the closed original container and sheltered from
outdoor and humidity: 6 months

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Stylfloor Pavement®

Colored fluid concrete polished finish

Cement, marble aggregates, glass, quartz sand, fibers, mineral additives.



Product

- Continuous pavement polished finish.
- Quick operating disposal.
- Thickness from >12 mm.
- Color range.
- Indoors.

Observations

Do not apply:

- On outdoor floors
- Over supports with humidity >4%.
- With ambient humidity > 85%.
- Over wet floors subjected to continuous humidity rising.
- On degrading, fragile or unstable floors.
- Over lime base mortars (calcium sulfate)
- Over heating floor on service, stop the heating 24 hour before and turn it on after at least 21 days once the works, following gradually the startup protocol.

Characteristics

- Kneading and transport by pumping.
- Mass life: 10-20 minutes
- Setting start: 45 minutes
- Dry touch: 5-7 hours
- Passable (pedestrian): > 10 hours
- Time for dry polish: >4 days.

** These results are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances (10 mm)

- Kneading water (in laboratory): 14 %
- Bending resistance (28 days): ≥ 10 N/mm²
- Compression resistance (28 days): ≥ 40 N/mm²
- Wastage Böhme UNE-EN 13892-3 : ≤ 18 cm³/50 cm²
- Wastage UNE-EN 13748-1: ≤ 21 mm
- Adherence over concrete: >1,3 N/mm²
- Adherence over nonabsorbent support with joining bridge: >0,9 N/mm²
- Impact resistance, UNE-EN 12633;
 - **Height of fall: >1500 mm
 - **Value IR: IR=14,7 N·m
- Behavior against fire: A1 euroclass
- Designation: EN 13813: CT- C40- F10- A21

*** These results are from standard essays and can oscillate depending on the workplace conditions.*

Enforcements

- Fluid and colored concrete for decorative floors construction adhered on new construction or rehabilitation.
- Public construction, great surfaces, hotels...
- For floor where a high planimetry is required.
- Light traffic and moderated heavy traffic.
- Indoors.

Supports

- Mortars and concretes, with high compression resistance (> 25 N/mm²).
- Over supports with humidity <4%.

Thicknesses

- Advisable from >12mm (in every point)

Finish

- Polished.

Recommendations

- Application temperatures 5°C to 30°C.
- The water percentage can oscillate depending on the used mixer.
- Respect always the same time and water percentage during the kneading.
- Do not add any additive to the concrete.
- Respect the minimum thicknesses required depending on the kind of support.
- Respect, perimeter joint (min. 5 mm), expansion and division joint.

Execution conditions

- The support has to be solid and hard, dry, without dust, degrading zones, painting, oils...
- Do not apply over fissured concretes, degrading or with movement possibilities.
- On substrates without absorption (marble, granite, etc.), mill, vacuum and apply the **Pavex primer system**.
- Always, over new concrete (setting > 28 days) or old and compression > 25 N/mm², mill the superficial layer until the arid appearance and apply the **Pavex primer system**.
- On weak and unsecured cementitious bases, mill until the aggregate appears, vacuum and reinforce with **Silicato hardener**.
- If necessary, before pouring, apply 1-2 coats of **F-300** rapid primer.
- Respect the expansion joints, workjoints, through a cut or profile placement.
- Avoid direct insolation, air streams, during the application and 72 hours after.

Stylfloor Pavement®

Colored fluid concrete
polished finish

Usage way

Kneading water according grain size: 12-14%.
(1 sack 25 kg + aggregates)

** The dosage may vary considerably depending on the intensity of the chosen color and size distribution of the aggregate.*

If necessary, use the spiked roll to eliminate the occluded air in the mass and obtain a better leveling.

Dry polished: >4 days.

*** These times can oscillate depending on the ambient temperature.*

Important: Perform always a previous essay with the water percentage that is going to be used in production afterwards.

Associated products

- *F300
- *Pavex-2c primer
- *Hydrofugant 6772
- *HO-sealant
- *Silicate



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Packaging

25 kg paper sacks
Aggregates according percent
1200 kg pallet (48 sacks)

Colors

14 colors range
(Others on demand)

Consumption

16-20 kg/m² and cm thickness
(aggregate according to particle size)

Preservation

In the closed original container and sheltered from
outdoor and humidity: 6 months

Terrazo Industrial®

Colored fluid concrete with aggregates

Cement, marble arid aggregates, granite, glass fibers, organic additives and minerals.



Product

- Polished/Bush-hammered pavement finish.
- Fresh on fresh.
- Thickness from >15 mm.
- Quick operating disposal.
- Color range.

Observations

Do not apply:

- With ambient humidity >85%, with direct insolation and extreme temperatures.
- In different thicknesses.
- Over fresh resistance concrete < 250 kg/cm².
- Over wet floors subjected to continuous humidity rising
- Over mortars calcium sulfate and lime base.

Characteristics

- Kneading: concrete mixer.
- Mass life: 30-45 minutes.
- Setting start: same as a concrete.
- Dry touch: > 3 hours.
- Passable (pedestrian): >10 hours.
- Time for dry polish: >24 hours.
- The water percentage can oscillate depending on the used mixer.

** These results are contemplated with 20oC and they can oscillate depending on the ambient temperature.*

Performances

- Kneading water (in laboratory): 17 %
- Bending resistance: ≥ 9 N/mm²
- Compression resistance: ≥ 50 N/mm²
- Wastage UNE-EN 13892-4: 18 cm³ / 50 cm²
- Abrasion wear: ≤ 21 mm
- Slip resistance according to CTE;
 - **Polished finish: Class 1
 - **Bush-hammered finish: Class 3
- Adherence over concrete: > 1,5 N/mm²
- Impact resistance, UNE-EN 12633;
 - **Height of fall: >1500 mm
 - **Value IR: IR=14,7 N·m
- Behavior against fire: A1 Euroclass
- Designation: EN 13813:2003 - CT-C40-F7-A21

*** These results are from standard essays and can oscillate depending on the workplace conditions.*

Applications

- Fluid concrete based on marble aggregates, granite, glass... for the continuous floor formation over fresh concrete, on new construction or rehabilitation.
- For floor where a high planimetry is required.
- Public construction, great surfaces, hotels, private construction...
- Renovation of industrial floors, industry, sport courts, skating rinks...
- Light traffic and moderated heavy traffic.
- Indoors and outdoors.

Supports

- Over fresh concrete (fresh on fresh).

Thicknesses

- Advisable >15 mm over fresh concrete.
- System minimum thickness (concrete + finish): 8 cm in every point.

Finish

- Polished – Bush-hammered.

Recommendations

- Application temperatures 5°C to 30°C.
- Respect always the same time and water percentage during the kneading.
- Do not add any additive to the concrete.
- Respect the minimum thicknesses required depending on the kind of support.
- Respect, perimeter joint (min. 5 mm), expansion and division joint.

Execution conditions

- The support in order to receive the concrete has to be solid and hard, dry, without dust, degrading zones, painting, oils...
- The fresh concrete has to have a good flatness and has to be without water and slag raise by capillarity.
- In interiors, poured on fresh concrete of resistance: ≥ 200 kg/cm² and reinforced with 3 kg/m³ of fiberglass.
- Outdoors, poured on fresh concrete of resistance: ≥ 250 kg/cm² and reinforced with 3 kg/m³ of Fiberglass. Avoid the fresh concretes pilt with ponded water.
- Do not proceed the spilt over fresh concrete with excess of additives, fluid agents...
- Avoid coating application with low temperatures, direct insolation, strong wind, humidity, rain or frost possibility.
- Dispose always from awnings if it is necessary in the event of rain or direct insolation.
- Respect the expansion joints, workjoints, through a cut or profile placement.

Terrazo Industrial®

Colored fluid concrete with aggregates

Usage way

Kneading water according grain size: 16-18%.
(1 sack 25 kg + aggregates)

** The dosage may vary considerably depending on the intensity of the chosen color and size distribution of the aggregate.*

Spilt and leveling of Terrazo Industrial over fresh concrete.

Dry polished: >24 hours.

*** These times can oscillate depending on the ambient temperature.*

Important: Perform always a previous essay with the water percentage that is going to be used in production afterwards.

Associated products

*Hydrofugant 6772

*HO-sealant

*Silicate

*F-300



Packaging

25 kg sack
Aggregates according percent
1200 kg pallet (48 sacks)

Colors

14 colors range
(Others on demand)

Consumption

18-22 kg/m² and cm thickness
(aggregate according to particle size)

Preservation

In the closed original container and sheltered from outdoor
and humidity: 6 months

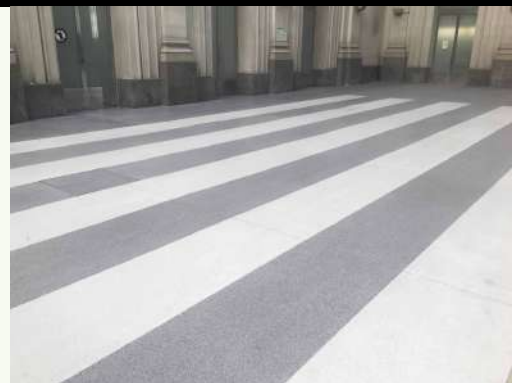
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Terrazo Pavement®

Colored concrete with aggregates

Cement, marble arid aggregates, glass, granite, fibers, organic additives and minerals.



Product

- Continuous pavement polished finish.
- Public and private construction.
- Thickness from >15 mm.
- Quick operating disposal.
- Color range.

Observations

Do not apply:

- On outdoor floors
- Over supports with humidity >4%.
- With ambient humidity >85%
- Over wet floors subjected to continuous humidity rising.
- On degrading, fragile or unstable floors.
- Over heating floor on service, stop the heating 24 hours before and turn it on after at least 21 days once the works, following gradually the startup protocol.
- Over mortars calcium sulfate and lime base.

Characteristics

- Kneading and transport by pumping.
- Mass life: 10- 20 minutes.
- Setting start: 45 minutes.
- Dry touch: 5 a 7 hours.
- Passable (pedestrian): > 10 hours.
- Time for dry polish: >4 days.
- The water percentage can oscillate depending on the used mixer.

** These results are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances (10 mm)

- Kneading water (in laboratory): 14 %
- Bending resistance: $\geq 9 \text{ N/mm}^2$
- Compression resistance: $\geq 50 \text{ N/mm}^2$
- Wastage UNE-EN 13892-4: $\geq 18 \text{ cm}^3 / 50 \text{ cm}^2$
- Abrasion wear: $\leq 21 \text{ mm}$
- Slip resistance according to CTE: Class 1
- Adherence over concrete: $\geq 1,5 \text{ N/mm}^2$
- Adherence over nonabsorbent support with joining bridge: $\geq 0,9 \text{ N/mm}^2$
- Impact resistance, UNE-EN 12633;
 - **Height of fall: >1500 mm
 - **Value IR: IR=14,7 N·m
- Behavior against fire: A1 Euroclass
- Designation: EN 13813:2003 - CT-C40-F7-A21

*** These results are from standard essays and can oscillate depending on the workplace conditions.*

Enforcements

- Fluid concrete based on marble aggregates, granite, glass... for the continuous floor formation, on new construction or rehabilitation.
- For floor where a high planimetry is required.
- Public construction, great surfaces, hotels, private construction...
- Industrial floors renovation.
- Light traffic and moderated heavy traffic.
- Indoors.

Supports

- Mortars and concretes, anhydrite, of high resistance to the compression ($> 25 \text{ N/mm}^2$).
- Over supports with humidity <4%.

Thicknesses

- Recommended >15 mm at all points.

Finish

- Polished.

Recommendations

- Application temperatures 10°C to 30°C.
- The water percentage can oscillate depending on the used mixer.
- Respect always the same time and water percentage during the kneading.
- Do not add any additive to the concrete.
- Respect the minimum thicknesses required depending on the kind of support.
- Respect, perimeter joint (min. 5 mm), expansion and division joint.

Execution conditions

- The support must be solid and hard, dry, without dust, degrading zones, painting, oils...
- Do not apply over fissured concretes, degrading or with movement possibility...
- In all cases, on new concrete (set >28 days) or old and compression $>25 \text{ N/mm}^2$, mill the surface layer until the aggregate appears and apply the **Pavex primer system**.
- On supports without absorption (marble, granite ...), milling, vacuuming and applying the **Pavex primer system**.
- On weak cementitious bases and without guarantees, mill until the aggregate appears, aspirate and reinforce with hardener **Silicate**.
- If necessary, before pouring, apply 1-2 passes of **F-300** quick primer.
- Respect the expansion joints, of work, by cutting or placing profile.
- Avoid direct sunlight, drafts, during and 72 hours after application.

Terrazo Pavement®

Collored concrete with aggregates

Usage way

Kneading water according grain size: 14-16%.
(1 sack 25 kg + aggregates)

** The dosage may vary considerably depending on the intensity of the chosen color and size distribution of the aggregate.*

If necessary, use the spiked roll to eliminate the occluded air in the mass and obtain a better levelling.

Dry polished: >4 days.

*** These times can oscillate depending on the ambient temperature.*

Important: Perform always a previous essay with the water percentage that is going to be used in production afterwards.

Associated products

*Pavex-2c primer

*F-300

*Hydrofugant 6772

*HO-sealant

*Silicate



Packaging

25 kg sack
Aggregates according percent
1200 kg pallet (48 sacks)

Colors

14 colors range
(Others on demand)

Consumption

18-22 kg/m² and cm thickness
(aggregate according to particle size)

Preservation

In the closed original container and sheltered from
outdoor and humidity: 6 months

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Pavements Renovation Soils

The products needed to successfully carry out a pavement. A mold or underlayment, the body of the floor and a coating or finish are needed. The use of high quality materials ensures a renovation result as well as a floor decoration that meets the requirements.

How is a floor composed? By an underlay or mold, the body and the coating or finish. The mold must be made of materials that have leveled and consolidated the platform and that are sufficiently stable to receive the body of the pavement. This is made up of concrete, which must have a strong tensile strength, and reinforcement, the most suitable usually being welded grating.

The coverings are the surface finishes that provide continuity and serve as decoration and protection for the different types of floors.

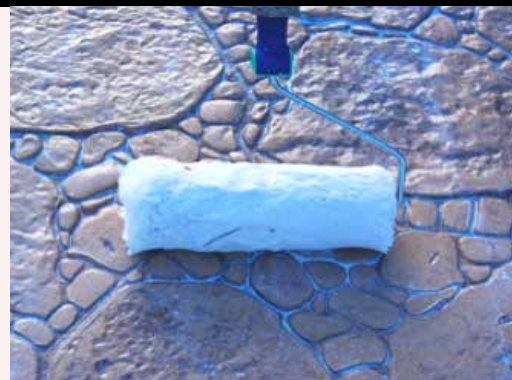
They must comply with certain guidelines in their placement:

- To offer security against possible detachments.
- Choose the right mortars to avoid fissures or cracks.
- Observe the proper arrangement of expansion and retraction joints.
- Observe the possible use of additives in the mortars or specific pastes that guarantee a correct behavior.
- Carry out an orderly sequence in the laying of coatings in multi-storey buildings.

F-250

Sealing resin in water base, high-brightness

Resin in water spread for concrete and mortar pavements protection.



Product

- For the concrete and mortars pavement seal
- Good resistance to abrasion
- For maintenance and preservation
- Great resistance to ageing
- Water base

Characteristics

- Transparent, waterproof and breathable
- Water base
- Highlight the color
- High brightness
- Indoors and outdoors

Performances

- Density: 2.1 g./cm³
- P.H.: 5.5 UNE – EN 1262
- Color: milky white

Dosification

- 1st. pass: (1 a 5) 1 **F-250** part each 5 clean water parts
- 2nd. pass: (1 a 3) 1 **F-250** part each 3 clean water parts

Recommendations

- Application temperatures between 10 and 30°C (measured over the pavement).
- It can be applied on a damp pavement (without water puddles).
- Application with roller, brush, Airless...
- It is recommended application in 2 passes.
- It can be used in the time for preservation and maintenance from any kind of concrete floor: smooth, decorated or stamped.
- Do not apply with direct insolation, wind, rain risk or frost-thaw possibility.

F-250

Sealing resin in water base, high-brightness

Usage way

Pavement will be completely clean, no dust, no grease...

Application with no overloading in 2 passes

Waiting time between pass: 2-3 hours (depending on the ambient temperature)

Dried to touch: ± 2 hours

Passable: ≥ 24 hours

Road traffic: ≥ 7 days (depending on the climatology)

** These times are contemplated at 20°C, and they can oscillate depending on the ambient temperature.*

Associated products

*Concrete and mortar

*F-300



Packaging

20 liters drum
480 liters pallet (24 drums)
1000 liters drums

Colors

Milky white
(once it is dry, transparent)

Consumption

0,1 – 0.2 liters/m², once it is diluted

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

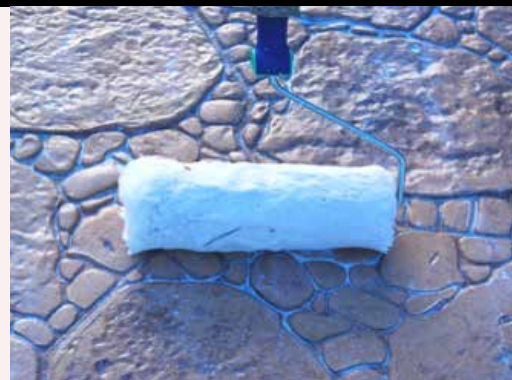
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F-300

Sealing and reinforcement resin

Resin in water spread for concrete and mortar pavements protection.



Product

- For the concrete pavement seal
- As quick primer
- As mortar and concrete reinforcement
- Good resistance to abrasion
- For maintenance and preservation
- Water base
- Indoors and outdoors

Characteristics

- Acrylic resin in water base for cured, floor protection and mortars.
- For use as joining bridge between concretes and mortars, fresh and with quick setting.
- To be added to the mortars so that they become more resistant and flexible.
- Transparent, waterproof and breathable.
- Highlights the color.
- Silky finish.

Performances

- Density: 2.1 g. /cm³
- P.H.: 7.0 – 9.0 UNE – EN 1262
- Color: Milky White
- Dried to touch: ±2 hours
- Pedestrian traffic: ≥24 hours
- Road traffic: ≥7 days

** These times are contemplated at 20°C, and they can oscillate depending on the ambient temperature.*

Recommendations

- Application temperatures between 10 and 30°C (measured over the pavement).
- It can be applied on a humid pavement (without water puddles).
- Application with roller, brush, Airless...
- It is recommended application in 2 passes.
- It can be used in the time for preservation and maintenance from any kind of concrete floor: smooth, decorated or stamped.
- Avoid application with rain risk or high humidity, with frost risk or direct insolation.

F-300

Sealing and reinforcement resin

Usage way

The zone to be treated must be completely clean, no dust, no grease...
Application with no overloading in 2 passes.

Mixture proportion

- As a seal resin: 1 resin part + 3-4 water parts.
- As quick primer: 1 resin part + 3-4 water parts (depending on supports).
- For mortar reinforcement: maximum, 10% resin over the cement weight.

** These proportions are from standard essays and can considerably oscillate depending on the concrete or mortar absorption and the conditions at the workplace.*

Associated products

*Concrete and mortar

*F-300



Packaging

20 liter drum
480 liter pallet (24 drums)
1000 liter drum

Colors

White
(once it is dry, transparent)

Consumption

(as sealing resin)
0,1 - 0,2 l/m2 once it is diluted.

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

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Acrylcem

Component - B for micro cement

Component B in water base for the micro cement mixture.

Characteristics

- Mixture life: \pm 60 minutes
- Opening time: \pm 15 minutes
- Dry touch: 2 – 4 hours

** These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Density: 1.09 kg/l 25°C
- Value PH: 8 – 10
- Viscosity (25°C): 1500 - 2000
- Flashpoint: Not applicable
- Water base.

Enforcements

- For the dust micro cement mixture.
- Great resistance to ageing.
- Water base.
- Excellent behavior to abrasion.

Recomendations

- Application temperatures: 10 – 30°C.
- Do not add water to the product.
- Respect always the same **Acrylcem** percentage in the mixture.

Acrylcem

Component - B for micro cement

Usage way

FLOOR-Facades

Mixture proportion: 2 to 1 (2 powder parts and 1 **Acrylcem** part).

Mix the 2 components during 5 minutes with the indicated low revolutions whisk, until obtaining an homogenous mass, workable and without lumps and let it rest for 2 minutes.

Associated products

*Micro cement

*Micro mortar



Packaging

5 and 20 liters drums
Component B for Pavicem micro cement

Appearance

Liquid

Preservation

In the closed original container and sheltered from outdoor and humidity: 1 year

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Decosol-CB

Component B for Decosol

A mineral-based resins and additives methacrylate waterborne recovered.

Product

- Waterproof and resistant.
- Without retraction.
- Water based.

Characteristics

- Mixture life: >2 hours
- Open time: ±2 hours
- Dried to touch: 5 – 7 hours (20°C))

** All the information described has been obtained from standard essays and it can oscillate depending on the workplace conditions.*

Performances

- Density: 1.09 kg/l 25°C
- Value PH: 8 – 10
- Viscosity (25°C): 1500 - 2000
- Flashpoint: Not applicable
- Water base
- Indoors and outdoors

Enforcements

- Water base.
- For the **Decosol** mixture.
- Great resistance to ageing.
- Excellent behavior to abrasion.

Recommendations

- Application temperatures from: 10 – 30°C.
- Do not add water to the product.
- Respect always the same percentage during the mixture.

Decosol-CB

Component B for Decosol

Usage way

Mixture proportion:

Approximate: 1 to 1 (1 part powder to 1 part liquid).

Pour the powder over the liquid and mix with the appropriate whisk for 5 minutes at low revolutions until you get a homogeneous, workable mass without lumps, let stand 2 minutes and stir.

Associated products

*Decosol (dust)



Packaging

15 and 5 liter drums

Aspect

Liquid transparent

Preservation

In the closed original container and sheltered from outdoors and humidity: 1 year

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Decosol concrete

Artistic cement for concrete walls, floors and walls

Hydraulic binders, special micronized, resins and mineral pigments.



Applications

- Special for concrete walls
- Excellent hardness
- Ideal for the renovation of floors and walls
- Waterproof and breathable
- Water-based

Recommendations

- The surface will be completely clean, dry and free of dust, mold, oils, construction debris and with humidity < 4%.
- Application temperatures: 10 – 30°C.
- During kneading first always, the powder on top of the liquid and then knead.
- Always respect the same percentage of **Comp.B** during mixing.
- Do not add water to the product.
- Do not apply with direct insolation, risk of rain, ice, strong wind, with the presence of humidity or with the possibility of water lift due to capillarity.
- The percentages of the mixture (liquid + powder) can vary considerably depending on the state of the surface to be treated and finished.

How to use

The mixing ratio will be approx. 1 to 1.5 (1 part of **Decosol concrete** by 1.5 part of **Comp.B**).

Mix the 2 components (liquid + powder) for 5 minutes with the indicated whisk, at low revolutions until you get a homogeneous workable, and lump-free mass, let stand 2 minutes.

In absorbents supports, apply 1-2 passes of **F-300** (1 to 5 of water) as a spout. Apply with roller, airless, brush, trowel... in 2-3 cross passes (according to porosity, absorption and chosen finish).

As protection, with the dry **concrete Decosol** (24 -48 hours) apply 1-2 passes of resin;

- **F-250** brightness: 1 to 3 water.
- **F-300** semi-gloss: 1-3 water.

Employment characteristics

- Mix life: ±2 hours
- Open time: 2 hours
- Time between passes: 1-3 hours (20°C)
- Drying to the touch: 5 – 7 hours (20°C)
- Fire behaviour: A1 Euroclass

**All the information described has been obtained from standard tests and may vary depending on the conditions of commissioning.*



Packaging

15 kg bucket
405 kg pallet (27 cubes)

Color

(Color chart)
Microcement

Consumption

0.1-0.15 Kg/m² (1 pass)

Preservation

(Unmixed)
In original container closed to the shelter of moisture and weathering: 2 years

Benefits

- Adhesion resistance: 2.5 MPa
 - Abrasion wear: ≤21mm
 - Böhme wear resistance: ≤12 cm³ / 50 cm²
- Slide:
*Decosol concrete: 37 (Class 2)
*Thick and medium concrete decosol: 47 (Class 3)

Decosol concrete

Artistic cement for concrete walls, floors and walls

Cement painting, also known as artistic cement. It has become popular in the design industry as a rustic decorative material that narrates the meaning of design in the simplest and purest language of materials. The cement paint is visually simple and looks very minimalist. It is a higher rustic beauty quality compared to the complex embossed wallpaper and colorful latex paint. Let's talk about cement paint...

Decosol concrete

It is a rustic wall covering. It is often also called artistic cement, but its other name should not be unknown as: cement painting. From architecture to interior, several minimalist and industrial style design patterns have become popular. The original texture and unique texture of clear water concrete made it a by-product of excellent quality. In interior design, it also pursues the natural texture of transparent concrete. So, according to the popular definition of cement painting = "artistic cement".

Difference from cement

Paint is cement, but it cannot be strictly defined as cement. It contains some % cement in its composition and the rest are ingredients. Cement alone cannot interpret the texture of cement paint and cannot be used for wall construction. It can easily fall off and raise dust, and only artistic cement can create that natural texture.

Wide range of applications

Cement paint is widely used in both home decoration and public decoration. and increased consumers and designers choose to decorate the space with cement paint, which fully demonstrates that the culture of decoration tends to be ecological and simple, with more emphasis on rustic artistic charm. Cement paint has a unique cement texture, which is suitable for today's minimalist and industrial styles. It has a distinctive style and an incredibly special decorative effect compared to other decorative materials.

Associated products

- F-250
- F-300



IMPORTANT

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Environmental protection, water resistance and stain resistance

Cement paint has a simple composition, so it is green, water-based and does not pollute. The primer has the function of preventing the wall from cracking, shedding chalk and ash falling. The top layer is sprayed to achieve resistance to rubbing, moisture and mold. It is ideal for use in interior design.

Home decoration

Cement paint is increasingly used in the design of dwellings, creating a modern industrial feel with a distinctive style. Not only does the industrial style love cement painting, but the home style is also very harmonious with cement paint combining with the original texture of cement paint, creating a perfect combination.

Public decoration

The natural texture shown by cement paint is ideal for large spaces. The rustic and delicate flowing feel of the material can make the whole space present a simple and elegant beauty. The price of cement painting is moderate, and the construction process is simple and fast, making it a quick and effective method for some public decoration projects.

Precautions

The first precaution of construction with cement paint is the choice of color and texture. Typically, manufacturers will provide color swatches or small portions of samples to test (insitu) first a small range and then choose how to use the specific one.

Another point is precautions in construction. The degree of mottling on the wall is related to the finish, the timelier the finishing is made, the more evident the mottling effect is. And according to the different scraping tools, techniques, time difference control, etc., different mottled effects can also be produced.

The cost of construction must be fixed according to the rate of the local applied. The professional of construction of microcements, decorative paints... can be competent for construction with cement paint.

Decosol

Cement painting for floor renovation

Additives, special micronized, resins and mineral pigments.



Characteristics

- Mixture life: ± 2 hours
- Open time: ± 2 hours
- Time between pass: 1-3 hours (20°C)
- Dried to touch: 5 – 7 hours (20°C)
- Behavior against fire: A1 euroclass

** All the information described has been obtained from standard essays and it can oscillate depending on the workplace conditions.*

Performances (Decosol / Decosol Thick)

- Adhesion resistance: 2.5 MPa
- Abrasion wear: ≤ 21 mm
- Böhme wear resistance: ≤ 12 cm³ / 50 cm²
- Sliding / Decosol: 37 (Class 2)
- Slip / Thick Decosol: 47 (Class 3)

Enforcements

- For floors renovation as it was painting.
- Over absorbent surfaces.
- Great ageing resistance.
- Excellent abrasion behavior.
- Water base.

Recommendations

- The surface must be completely clean, dry and without dust, mold, oils, work project remains and with humidity < 4%.
- Application temperatures: 10 – 30°C.
- During mixing, always (liquid + powder) and then mix.
- Respect always the same percentage **Comp-B** during the mixture.
- Do not add water to the product.
- Do not apply with rain risk, frost, strong wind, with humidity presence or capillarity water rising possibility.
- The percentage of the mix (liquid + dust) can vary considerably depending on ambient temperature and condition of the surface to be treated

Decosol

Cement painting for floor renovation

Usage way

The mixing ratio is approx. 1:1 (1 part to **Decosol** and 1 part to **Comp B**).

Mix the 2 components (liquid + powder) for 5 minutes with the indicated whisk at low revolutions until achieving a homogeneous, workable mass without lumps, let stand 2 minutes and stir.

Before painting, apply **F-300** coat (1 to 4 with water) to secure a good adherence.

Apply with roller, brush... in 2-3 crossing pass (depending on porosity and absorption).

As protection, and the paint completely dry (8-24 hours), apply 1-2 passes.

* **F-250** brightness: 1 to 3 of water.

* **F-300** semi-gloss: 1 to 3 with water.

* **Racly-2** solvent and moisture <4% base.

Associated products

*Decosol comp.B

*Floors and walls



Packaging

15 kg drum
405 kg pallet (27 cubes)

Colors

Colors chart
Pavicem microcement

Consumption

0,1-0,15 Kg/m²
(1 pass)

Preservation

In the closed original container and sheltered from outdoor and humidity: 2 years

! IMPORTANT

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Desmol

Release powder

Waxes, micronized pigments and additives.

Product

- For immediate desmolding
- Does not stick to the mould
- For ageing the pavement
- Excellent yield

Characteristics

- Release agent for printed concrete and mortars.
- Prevents the mortar from sticking to the mold.
- Used for aging the floor or wall.

Performances

- Water solubility: insoluble
- Separating temperature: 400°C
- PH: 8-9 (50 g/L water)
- No toxic

Usage way

Sprinkle on concrete or mortar in a plastic state.

Apply a layer covering the entire surface.

Avoid application when the concrete has excess surface water, and white areas would be formed very difficult to control.

Do not apply with strong wind.

Associated products

*Impreso

*Release agent-I2

! IMPORTANT

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Packaging

10 liter drum
675 l pallet (27 drums)

Color

10 standard colors



Consumption

0,15 – 0,2 l/m²

** This consumption may oscillate according to the application.*

Preservation

In the closed original container and sheltered from outdoor and humidity.

Despi

Powder demolding

Waxes, micronized pigments and additives.



Product

- For immediate desmolding
- Does not stick to the mould
- For ageing the pavement
- Excellent yield

Characteristics

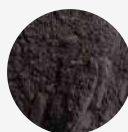
- Release agent for printed concrete and mortars.
- Prevents the mortar from sticking to the mold.
- Used for aging the floor or wall.

Performances

- Water solubility: insoluble.
- Separating temperature: 250°C.
- PH: 8-9 (50 g/L water).
- No toxic.

Colors

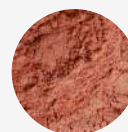
- 15 standard colors (other colors by order)



DESPI 10



DESPI 13



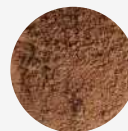
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DESPI 30



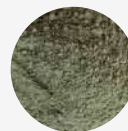
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DESPI 96



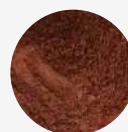
DESPI
NEUTRAL



DESPI GN



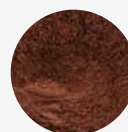
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UNIVERSAL



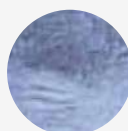
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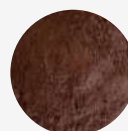
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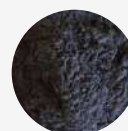
DESPI 86



DESPI BLUE



DESPI 50



DESPI 101

Despi

Powder demolding

How to use

Sprinkle on concrete or mortar in a plastic state.

Apply a layer covering the entire surface.

Avoid application when the concrete has excess surface water, and white areas would be formed very difficult to control.

Do not apply with strong wind.

Associated products

*Pavifluid
*Pavifluid-HD
*Pavistamp
*Pavistamp-HD
*Padec
*Release agent-L2



Packaging

10 liters drum
Pallet of 675 liters (27 drums)

Consumption

0,08-0,1 l/m²

** This consumption may oscillate according to the application.*

Preservation

In the closed original container and sheltered from outdoor and humidity.

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Filmat-RD

Superficial deactivate (arid seen)

Superficial deactivating for concrete finishes with seen arid, in water base.



Product

- Concrete finishes with seen arid
- Urban furniture
- Highways barriers in seen concrete
- Easy application

Observations

- The inert fines quantities containing concrete has an influence on the final esthetic aspect.
- The use of polypropylene fiber is recommended to increase the cohesion of concrete and the deactivated.
- **Very important**, before the beginning at the workplace, make a previous essay with the concrete to be used afterwards in the production, so that you can verify if the obtained effect is the desired one.

Characteristics

- Apply **Filmat-RD** in a uniform way.
- Concrete must be cleaned with pressure water (100-150 bars).
- The worker will keep the nozzle 20 to 40 cm away from the concrete surface.
- With wind or strong sun exposure, clean 6 to 15 hours after applying the product.

** The times can oscillate considerably depending on the ambient temperature.*

Performances

- Nature: liquid
- Dynamic Viscosity to 20°C: < 500 mPa.s
- PH: P01 a P03: 3 ± 1 / P04 a P08: 9 ± 1

Essays

- The attached board shows the possible variations linked to the temperature.
- The references are informative and depending on the concrete kind, concrete dosage, temperature...

Reference (Arids mm)	Color	Depth	Dimension
Filmat RD 01	Pink	-	-
Filmat RD 02	Green	-1	3 to 5
Filmat RD 03	Blue	-2	5 to 8
Filmat RD 04	Orange	-3	8 to 10
Filmat RD 05	Salmon	-4	10 to 14
Filmat RD 06	Yellow	-5	14 to 18
Filmat RD 07	Violet	-6	18 to 25
Filmat RD 08	Red	-7	20 to 30

** These results have been obtained from standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- To obtain surfaces from architectonically deactivated concrete surfaces with seen arid.
- The dissolvent absence makes easier its usage.
- It is not necessary to protect the surface to be treated extremes except the painting façades and the porous supports.

Supports

- Fresh concrete.

Finishes

- Arid seen.

Recommendations

- Application temperatures 5-30°C
- Do not apply fresh concrete with ponded water on the surface.
- To obtain good results, it is important to have a homogenous concrete.
- A too strong concrete vibration produces risk of raising the fine elements, provoking a mixture separation.

Filmat-RD

Superficial deactivate (arid seen)

Usage way

Apply with sprayer **Filmat-RD** on the fresh concrete surface and in a uniform way in a proportion of 6-8 m2 /kg product.

5 to 24 hours (depending on the attack) remove the superficial product with a water pressure machine (20 to 40 cm distance from the concrete).

Once the surface is dry (24-48 hours), apply a cure resin **Racly-2, F-300, F-250, Orfapol-50**.

** These times are contemplated at 20°C and they can oscillate depending on the ambient temperature.*

Associated products

*Racly-2

*F-300

*F-250

*Orfapol-50



Packing

18 kg drum
648 kg pallet (36 drums)

Colors

Colorless

Consumption

6 – 8 m2/kg product

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

⚠ IMPORTANT

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Floor Self-Leveling

Floor leveling mortar

Cement, quartz sand, fibers, mineral additives.



Product

- 3-30 mm Thicknesses
- Quick commissioning
- Indoors
- Ideal to be coated

Observations

*Not apply:

- Over concretes or mortars with no guarantee.
- In outdoors floors.
- Over humid floors subject to continuous humidity rising.
- Over fragile or unstable floors
- Over lime base mortars (calcium sulfate).
- With direct sun light or with air streams.

Characteristics

- Kneading time: 2-3 minutes
- Let stand for: 2 minutes
- Open time: 25-30 minutes
- Start of setting: ± 45 minutes
- Dried to touch: 4-5 hours
- Passable (pedestrian): > 8 hours
- It can be coated with micro cement, epoxy to water, self-leveling, tiling, carpet, parquet, solvent based resins: <4% humidity

** These times are contemplated to 20°C, and they can oscillate considerably depending on the ambient temperature.*

Performances (10 mm)

- Kneading water (in laboratory): 21 %
- Bending resistance (28 days): ≥ 8 N/mm²
- Compression resistance (28 days): ≥ 30 N/mm²
- Abrasion wear: ≤ 21 mm
- Adherence over concrete: ≥ 1 N/mm²
- Impact resistance, UNE-EN 12633;
 - ** Height of fall: >1500 mm
 - ** Value IR: IR=14,7 N·m
- Adherence over ceramic support: $\geq 0,9$ N/mm²
- Behavior against fire: A1 euroclass
- Designation: EN 13813: CT- C30- F8- A21

*** These results are from standard essays with 12 mm thickness, and they can oscillate depending on the workplace conditions.*

Enforcements

- Self-leveling mortar for floor reparation, leveling and screed in new construction or rehabilitation.
- For high planimetry floors.
- Light traffic and moderated heavy traffic
- Ideal to be recovered with micro cement, self-leveling, epoxy...
- Indoors

Supports

- Mortars and concretes, anhydrite, with high compression resistance >25 N/mm².
- Over wet supports <4%.

Thicknesses

- Advisable: 3 to 30 mm

Recommendations

- Application temperatures 10°C to 30°C.
- Respect always the same water percentage in the kneading. The water percentage can oscillate depending on the used mixer.
- Do not add any additive to the mortar.
- Respect the minimum required thicknesses depending on the support's kind.
- Respect, perimeter joint (min. 5 mm), expansion joint and division joint.
- Do not apply with direct sun light and with air streams.

Execution conditions

- Support has to be solid and hard, dry and without dust, degraded areas, paintings, waxes and oils, oxides, plaster remains...
- Do not apply on cracked, degraded concrete or with the possibility of movement ...
- On supports without absorption (marble, granite ...), milling, vacuuming, and applying the **Pavex primer system**.
In all cases, on new concrete (set > 28 days) or old and compression
- > 25 N / mm², milling of concrete, until the aggregate appears and apply the **Pavex primer system**.
- On weak cementitious bases and without guarantees, milling until the aggregate appears, aspirate and reinforce with **Silicate** hardener until the desired hardness is achieved.
- Respect the expansion joints, working joints with a cutting or a profile placement.
- Compulsories avoid the direct sunlight and air streams, during the application and 72 hours after.

Floor Self-Leveling

Floor leveling mortar

Usage way

- Kneading and transport with pumping: 21-22% clean water.
- Manual kneading: 1 sack of 25 kg with 5-6 liters of water, until obtaining a homogeneous mass without lumps.
Let stand and knead.

If necessary, use the spiked roll to eliminate the occluded air in the mass obtaining therefore a better leveling.

** If required, after the drying process, takes place a sanding and vacuuming process to erase possible grouts and guarantee the final coating adherence.*

*** Always perform a previous test with the percentage of water to be used after production.*

Associated products

*Pavex primer system

*Silicate

*F-300 (quick primer)

*Micro cement

**Suitable adhesive mortar;

Cemcol C2TE-S1

Cemcol C2TE

Cemcol C2TE-S2



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Colors

White

Consumption

16-18 kg/m² and cm thickness

Preservation

In the closed original container and sheltered from outdoor and humidity: 1 year

⚠ IMPORTANT

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Impreso

Colored mortar for stamped concrete

Cement, silica sand, mineral pigments and resins.



Product

- High resistance mortar.
- Good behavior against wastage.
- Moderate traffic.
- Decorative finishes.

Observations

- The waiting times for application oscillate depending on the temperature, humidity and concrete kind.
- Protect all the easily stained zones with **Protector Pavistamp** (chests, kerbs, skirting...).
- With hot weather or wind use the superficial retarder **Bryten CH** to control quick humidity evaporation on the fresh concrete surface so that enables a perfect union between the mortar and concrete, avoiding the superficial fissures appearance.

Characteristics

- Application of **Impreso** in 2 passes, on fresh concrete.
- The mortar must be completely integrated on the fresh concrete.
- Avoid soaking the concrete with water.
- In the cold weather time, accelerate the concrete setting process with **Hormidur- SC**.
- If necessary, in the first 24 hours approx. cut expansion joints.

Performances (6 kg/m2)

- Compression resistance: ≥ 37 N/mm²
- Bending resistance: ≥ 2 N/mm²
- Abrasion resistance: ≤ 21 mm
- Adhesion to the support (traction): ≥ 1 N/mm²
- UNE_ENV 12633 sliding: USRV36 Class 3
- Behavior against fire: A1 euroclass

*** These results are from standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- High resistance colored mortar to be applied on the fresh concrete. It allows the concrete molding offering a high hardness and durability treading layer.
- For traditional pavements decoration (cobble, wood...)
- For garage and terrace pavements...

Supports

- On fresh concrete.

Finishes

- More than 70 models.
- Models on demand.
- Stamping, smooth, striped and trowelled.

Recommendations

- Application temperatures 5°C to 35°C.
- In light tones, avoid application on fresh concrete with excess water by capillary lift, apart from increasing consumption (3-4 kg / m²), loss of resistance and the consequent discoloration of the pavement once dry.
- Do not add water to the product once the mortar has been applied to the fresh concrete.
- Avoid application with strong wind or direct sunlight.

Execution conditions

- The base is properly compacted and it has obtained the approval from the Project management team to receive the concrete.
- The site management team or the property will always decide concrete thickness.
- The concrete will be manufactured in an authorized plant and will be transported in concrete mixer trucks within the next 30 minutes, it will have a cone of fall of 6.5 to 8 cm, to avoid the increase of slag and the segregation of granules
- Avoid concrete with additive excess; these complicate the capillarity water rising stopping the concrete and mortar adherence.

Impreso

Colored mortar for stamped concrete

Usage way

1. In the minutes following the regularization of concrete, it is smoothed allowing water to rise by capillarity and ensure adhesion between concrete and mortar.

2. Application of **Impreso** in 2 passes (recommended 4-5 kg / m²) and according to color.

3. Manual smoothing ensuring perfect adhesion of the product with the concrete

With the concrete in plastic state apply the **Desmol** that acts as a release agent and aging of the pavement.

In the setting process, it is textured with the molds chosen.

After hours 48-72, remove the **Desmol** with pressurized water and with the floor without water, apply 1-2 passages of sealing resin: **Cured lacquer** or **F-300**.

Associated products

*Desmol

*Protector Pavistamp

*Bryten-CH

*Cured lacquer

*F-300

*Hormidur-SC



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Colors

20 colors chart

Consumption

4-6 kg/m² and depending on the color

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

! IMPORTANT

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Microcem

Flor floor renovation and decoration

Special cement, selected arid, additives, resins and pigments.



Product

- Colored continuous pavement.
- Without joints, deformable and flexible.
- Waterproof and breathable.
- Null wastage to abrasion.
- Indoors and outdoors.

Observations

- Do not incorporate water and no other additive to the mortar.
- Do not apply Pavicem with humidity capillary rising possibility.
- On absorbent or porous surfaces moisten before applying the product.
- Treat the singular zones (fssures...) with glass fber mesh.
- Do not apply over surfaces with humidity >4%.
- This product is not resistant to acids, aggressive

Usage characteristics

- Mixture life: ± 30 minutes
- Opening time: ± 15 minutes
- Maximum thickness: 0.1 - 2 mm
- Maximum thickness per layer: 0.5- 1 mm
- Dry touch: 2-4 hours
- Operating disposal (> 20°C): ≥ 48 hours

** These times are contemplated at 20°C and they can oscillate depending on the ambient temperature.*

Performances (in lab)

- Adherence EN- 1015/12: 0.98 N/mm²
- Water absorption: 0.004 g/cm²
- Abrasion wastage: 15,0 mm
- Frost-thaw with salts: 0.01 kg/cm²
- Slip resistance: Class 2-3 (depending on the finish)
- Slip resistance: Class 1 (indoors)
- Behavior against fire: A1 Euroclass

*** These results are from standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- Colored deformable micro cement with high performances for floor renovation and decoration.
- Fit for pedestrian and road traffic.
- Minimum thickness (1-2 mm).
- Without wastage.
- Indoors and outdoors

Supports

- Over concrete slab, terrazzo, marble, ceramic, wood, glass.

Finish

- Smooth, wrinkled, as it was a painting.
- Venetian type, marbled, wood.

Enforcement tips

- Application temperatures 10°C to 30°C.
- As a bridge, use Unicem-2C or F-300 quick primer.
- Respect always the same percentage Acrylcem during the mixture.
- Do not add water to the product.
- Respect the expansion joints and retraction joints.

Execution condition

- The existing support has to be resistant and its setting completed. It has to contain no dust, paintings, oils...
- Base of Floor Recrecido, Pavistamp Floor, mortar, concrete...has to has its setting completed (≥ 28 days) and with humidity < 4 %.
- Once the surface is leveled and ready, apply micro cement Pavicem at a rate of 0,5 mm each coat, until obtaining the desired thickness and effect.
- Between coats, sand, polish and vacuum the irregularities in order to obtain the desired texture.
- Over nonabsorbent surfaces, glass, porcelain, treated wood... open the porous and apply 1-2 quick primer coats F-300.
- Outdoors, do not apply with direct insolation, wind, rain risk or frost-thaw possibility.
- With low temperatures, avoid the mortar application in the following hours as it increases the efflorescence by carbonation appearance risk.

Microcem

Flor floor renovation and decoration

Usage way

• Mixing:

25-30% of clean water and according to granulometry, mix for 5 minutes with the indicated mixer, at low revolutions until a homogeneous, workable and lump-free mass is obtained. 2 minutes to rest.

Apply manually with the appropriate tool in layers of maximum 0.5 mm, until the desired effect is achieved.

Once the surface is completely dry, <4% humidity, apply the curing resin Orfapol-50 (water based).

Optional: Orfapol colorless, porcelain effect and with humidity <4%.

Associated products

*Silicato
 *F-600
 *Pavicem microcemento
 *Ecopox-cem plus 3c
 *Pavex-2c primer
 *F-300
 *Orfapol-50
 *Orfapol incoloro
 *Floor recrecido
 *Microesferas



Packing

15 - 5 kg Packages
 15 kg Plastic drum
 405 kg pallet (27 drums)

Colors

56 colors chart
 (others on demand)

Consumption

0,2-0,4 kg/m²
 (1 layer)

** These consumptions can oscillate depending on the support and coat number.*

Preservation

In drum: 2 years
 In sack: 1 year
 In original closed container (20 °C) and protected from weather and humidity.

⚠ IMPORTANT

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Microcement (ready to use)

Renovation/decoration of floors and facades

Silicate and acrylic resin mortar, recycled aggregates, mineral pigments, and organic and inorganic additives.



Product

- Mortar ready to use
- Continuous colored coating
- Jointless, deformable and flexible
- Waterproof and breathable
- Zero abrasion wear
- Indoors and outdoors

Observations

- Do not incorporate water or any other additive to the mortar.
- Do not apply the mortar with the possibility of humidity by capillary lift.
- On absorbent or porous surfaces moisten before applying the product
- On plaster, plasterboard, anhydrite., apply **F-300** quick primer.
- Treat the singular areas (fissures...) with fiberglass mesh.

Characteristics

Product density

- Fine: 1500 kg/m³
- Medium: 1700 kg/m³
- Thickness: 1850 kg/m³
- Mix life: ± 3 hours
- Open time: ± 2 hours
- Maximum thickness per pass: 0.5- 1 mm
- Maximum thickness: 0.1 - 2 mm
- Drying to the touch: ≥7 hours
- Commissioning (> 20°C): ≥ 48 hours

**These times are set at 20°C and may vary depending on the ambient temperature.*

Performance (in laboratory)

Adhesion EN- 1015-12:

- Mortar support: ≥2.00 N/mm²
- Ceramic stand: ≥1.20 N/mm²
- Gypsum stand: ≥0.60 N/mm²

Resistance to adhesion, UNE-EN 13892-8:2003

- System A: ≥1,2 N/mm²
- System B: ≥1,8 N/mm²
- System C: ≥1,6 N/mm²

Wear resistance BCA, UNE-EN 13892-4:2003

- System A: 120 µm
- System B: 90 µm
- System C: 100 µm

Fire behaviour: A1 Euroclass

** These results have been obtained under standard conditions and may vary depending on the commissioning conditions.*

Applications

- Microcement ready to use (fine, medium or thick) of colored and deformable, of high performance for the renovation and decoration of floors and facades
- Suitable for pedestrian and road traffic.
- Minimum thickness (1-2 mm)
- No wear and tear
- Indoors and outdoors.

Recommendations

- Application temperatures 10°C to 30°C.
- In case of humidity or capillary lifting, use **Ecopox-cem plus 3C**.
- To avoid possible changes in color, during the application make work joints if necessary.
- To regularize the surface, use the **Pavex 2C primer**.
- Respect the expansion and retraction joints.
- Do not apply in direct sunlight, strong wind or possibility of rain or ice.
- Protect all areas where product splashes may occur, such as windows, floors...
- Cleaning of utensils with water.

Execution conditions

- The existing support must be resistant and set, clean of dust, paints, oils...
- The base of mortar, concrete... it must be completely set (≥ 28 days) and moisture < 4%.
- On old concretes, mill the surface layer and vacuum, apply 1 - 2 passes of **F-300**.
- In all cases on surfaces (concrete, ceramics, wood ...) open pore and apply 1-2 passes of **Pavex-2C primer**.
- Once the surface is level and prepared, apply the microcement "to zero" with the right tool, until you get the desired thickness and effect.
- Between passes, sand, polish and vacuum the irregularities to obtain the desired texture.
- Do not interrupt the application once it has started, unless a decorative or work joint can be made.
- In the case of applying in large areas, prevent additional labor to avoid the appearance of joints within the same surface.
- Outdoors, do not apply with direct insolation, wind, risk of rain or possibility of ice-thaw.

Microcement (ready to use)

Renovation/decoration
of floors and facades

How to use

Mezcla:

The mortar is supplied ready to use.

Once the container is opened, before using stir all the contents with whisk until a homogeneous mass is achieved.

Apply with stainless steel trowel or with a gun to project to a thickness of 2-3mm at all points.

Once sanded and vacuumed, apply the **Orfapol-50** curing resin (water-based)

Supports

- On concrete slab, terrazzo, marble, ceramics, wood, glass...

Finishes

- Smooth, rough, like paint.
- Venetian type, marbled, wood...

Associated products

*Microcement

*F-300

*Pavex 2C primer

*Orfapol-50

*Floor regrown

*Microspheres

*Ecopox-cem plus 3C



Packaging

Drum of 25 kg
600 kg pallet (24 drums)

Color

(Pavicem color chart)
56-color chart (others a la carte)

Consumption

0.2-0.4 kg/m² (1 pass)

*These consumptions may vary according
to the support and number of passes.

Conservation

The original container closed (20 °C) and sheltered
from the weather and humidity: 1 year

! IMPORTANT

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Orfapol 50®

Polyurethane water resin

Two components polyurethane resin in water base, with polyisocyanate polymers and additives.



Product

- Excellent adherence.
- Highlights the color.
- Great resistance to abrasion.
- Indoors and outdoors.

Characteristics

- Over a completely clean, dry and without dust and grease base...
- Mixture proportion in parts:
 - **10 parts Component A
 - **1 part Component B
- Application temperatures: 10°C and 25°C.
- Relative humidity: <80%
- Over cement base with humidity < 4 %.
- Mixture life: 2 hours
- Opening time: 40-50 minutes
- Minimum drying time: 2 hours, maximum 24 hours.
- Avoid application with direct insolation, strong wind, rain risk, frost...
- Do not apply **Orfapol-50** with capillary rising humidity possibility.

** These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Density: 1,00 – 1,05 g/ml 25°C
- Flashpoint: Not applicable
- Recommended diluting: Water

Enforcements

- Resin cured in water base for wall and floor protection.
- Waterproof and breathable.
- Excellent color highlighter.
- Does not get stained.
- Facilitate lower dirtiness retention.
- Indoors and outdoors.

Supports

- Concrete, mortar, wood, **Pavistamp Floor**, Microcement.

Orfapol 50®

Polyurethane water resin

Usage way

Over a completely clean, dry and without dust and grease base...

With roller, pistol, airless. Sand the surface to facilitate the adhesion.

Spill components **A+B** in the same recipient and mix carefully with mechanical shaker. Let it rest during 10 minutes.

Apply without overloading, waiting at least 45-60 minutes between layers. Avoid a too thick layer as it could delay the final characteristics product development (Through drying and water resistance).

It can be diluted to 100% with water.

Associated products

*Floors and walls



Packing

Silky – Matt: pack (A + B) of 5.5 and 11 kg packages
Bright: pack (A + B) of 5 kg

Colors

Standard: transparent
(others on demand)

Appearance

Silky – Matt – Bright

Consumption

±0.1 kg/m² (5 kg= 50m²) y según soporte

Preservation

12 months from the fabrication date, in the closed original package and sheltered from outdoor and humidity.

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Orfapol Incoloro®

Polyurethane painting

Two components painting in an aliphatic polyurethane base.



Product

- Porcelain effect.
- For swimming pool protection.
- Over cement base.
- Excellent mechanical resistance.
- Color permanency

Resistance table

Immersion essays

Hydrochloric acid 10 y 20%	500 hours	No change
Sulfuric acid 10 y 20%	500 hours	Start oxidation
Distilled water	8 months	No change
Sodium chloride in 3.5%	8 months	No change
Sodium hydroxide in 20%	15 days	No change
Ammonia	3 months	Well
Isobutyl acetate	8 months	No change
White Spirit	6 months	Well
Saline fog: 5% sodium chloride and 37-38°C	8 months	No change
Ambient: Humidity 100% y 40°C	3 months	Well

Usage characteristics (25 °C)

- Mixture life: ±8 horas.
- Dry touch: ≥60 min.
- Ready to repaint: ≥8 horas aprox.
- Total dry : ±24 horas.
- Fully cured: ≥7 días a 25 °C.

** These times are contemplated with 25°C and they can oscillate depending on the ambient temperature.*

Performances

- Specific weight: 1.2 g/cm3
- Viscosity 25°C: 100-120 seg.
- Aspect: painting
- Weight mixture proportion:
 - **Resin: 66.6%
 - **Hardener: 33.4%

Important: use in swimming pools

- General review of the pool and visual inspection of the applied system.
- Surface brightness and absence of pores.
- Degree of compaction of the aggregates.
- Degree of compaction of the entire system applied.
- Appearance and coverage of the seal coat.
- Evaluation of the complete curing of the sealed layer (chemical resistance test Ethanol 96%).
- Water recirculation system, pH control and pumps.

Enforcements

- High chemical resistance.
- For swimming pool protection.
- Unalterable brightness.
- Indoors and outdoors.

Supports

- Pavicem micro cement, concrete, mortars.
- Pavistamp Floor decorative self-leveling.
- Pavistone thematic rock, terrazzo, ceramic...

Enforcements tips

- Application temperatures: 10 -25°C.
- Over completely dry and without humidity <4% base.
- Respect always the same dosage.
- Do not add any additive to the mixture.
- Do not apply Orfapol Incoloro with capillary rising humidity possibility.

Execution conditions

- In each case, it is indispensable to make the application over dry, clean, without loadings and other materials surfaces.
- In order to secure a good Orfapol Incoloro, adhesion, over smooth and few absorbing, before applying, sand to open the porous and vacuum.
- Avoid painting if there is humidity.
- Over cement base surfaces Pavicem, concrete, mortars... the setting base has to be completed (≥28 days) and without humidity < 4 %.
- Avoid application with air streams, direct insolation, rain risk, frost or thaw.
- Outdoors the maximum application temperature will be always <25 °C measured on the surface to be treated.

Orfapol Incoloro®

Polyurethane painting

Usage way

Mix the two components in a homogenous way

- The Orfapol Incoloro low viscosity let it be applied in raw state.

Application with roller, brush or pistol.

- With pistol, previous dilution with a 10% maximum of diluting TP.
- Interval between coats: 4-12 hours.

** Times can oscillate depending on the climatology.*

Associated products

*Floors and walls



Packing

Pack (A+B): 25 kg

Colors

Standard: colorless
(other colors on demand)

Consumption

1 kg from 10 – 14 m²
(1 layer)

Preservation

12 months from the fabrication date, in the closed original package (20°C) and sheltered from outdoor and humidity.

⚠ IMPORTANT

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Padec®

Colored mortar for stamped concrete

Cement, silica sand, mineral pigments and resins.



Observations

- The waiting times for application oscillate depending on the temperature, humidity and concrete kind.
- Protect all the easily stained zones with **Protector Pavistamp** (chests, kerbs, skirting...).
- With hot weather or wind use the superficial retarder **Bryten CH** to control quick humidity evaporation on the fresh concrete surface so that enables a perfect union between the mortar and concrete, avoiding the superficial fissures appearance.

Characteristics

- Application of Padec in 2 passes, on fresh concrete.
- The mortar must be fully integrated on the fresh concrete.
- Avoid wetting the concrete with water.
- In winter, accelerate the setting of concrete with **Hormidur-SC**.
- If necessary, in the first 24 hours approx. cut expansion joints.

Performances (6 kg/m2)

- Compression resistance: ≥ 45 N/mm²
- Bending resistance: ≥ 2 N/mm²
- Abrasion wear: ≤ 21 mm
- Water absorption by capillarity: 0,58 g/cm²
- Total water absorption: 7,0
- Freezing: Not freezing
- Behavior against fire: A1 euroclass

** These results are from standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- High resistance colored mortar to be applied on the fresh concrete. It allows the concrete molding offering a high hardness and durability treading layer.
- For traditional pavements decoration (cobble, wood...)
- Specially indicated for urban pavements, housing, parking...

Supports

- On fresh concrete.

Finishes

- More than 70 models.
- Models on demand.
- Stamping, smooth, striped and troweled

Recommendations

- Application temperatures 5°C to 35°C.
- In light tones, avoid application on fresh concrete with excess water by capillary lift, apart from increasing consumption (3-4 kg / m²), loss of resistance and the consequent discoloration of the pavement once dry.
- Do not add water to the product once the mortar has been applied to the fresh concrete.
- Avoid application with strong wind or direct insolation.

Execution conditions

- The base is properly compacted and it has obtained the approval from the Project management team to receive the concrete.
- The site management team or the property will always decide concrete thickness.
- Concrete will be manufactured in an authorized plant and will be transported in concrete mixer trucks within the next 30 minutes, it will have a cone of fall of 6.5 to 8 cm, to avoid the increase of slag and the segregation of granules.
- Avoid concrete with additive excess; these complicate the capillarity water rising stopping the concrete and mortar adherence.

Padec®

Colored mortar for stamped concrete

Usage way

1. In the minutes following the regularization of concrete, it is smoothed allowing water to rise by capillarity and ensure adhesion between concrete and mortar.

2. Application of **Padec** in 2 passes (recommended 4-5 kg / m²) and according to color.

3. Manual smoothing ensuring perfect adhesion of the product with the concrete.

With the concrete in plastic state apply the **Despi** that acts as a release agent and aging of the pavement.

In the setting process, it is textured with the molds chosen.

After 48-72 hours, remove the **Despi** with pressurized water and with the floor without water, apply 1-2 passages of sealing resin:

***F-250** water based (gloss)

***F-300** water based (satin)

***Racly-2** with humidity <4%

Associated products

*Despi

*F-300

*F-250

*Racly-2

*Bryten-CH

*Hormidur-SC

*Protector Pavistamp



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Colors

20 colors chart

Consumption

4-5 kg/m² and depending on the color

Preservation

In the closed original container and sheltered from outdoor and humidity: 1 year

⚠ IMPORTANT

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Padec Industrial 400 Corundum®

Colored mortar for industrial paving

Cement, quartz sand, mineral corundum, pigments and additives.



Product

- High performances mortar.
- Excellent durability.
- Road traffic and pedestrian traffic resistant.
- Colored.

Observations

- The waiting times for application oscillate depending on the temperature, humidity and concrete kind.
- Protect all the easily stained zones with **protector Pavistamp** (chests, kerbs, skirting...).
- With hot weather or wind use the superficial retarder **Bryten CH** to control quick humidity evaporation on the fresh concrete surface so that enables a perfect union between the mortar and concrete, avoiding the superficial fissures appearance.

Characteristics

- Manual application of **Padec industrial 400 corundum** on fresh concrete.
- The mortar must be completely integrated on the fresh concrete.
- Avoid soaking the concrete with water.
- In the cold weather time, accelerate the concrete setting process with **Hormidur- SC**.
- After the first 24 hours approx. cut the expansion joints.

Performances (6 kg/m2)

- Kneading water (Gray-C color): 12-14%
- Compression resistance: ≥ 90 N/mm²
- Bending resistance: ≥ 11 N/mm²
- Wear resistance: ≤ 21 N / mm²
- Résistance à la traction: ≥ 1 N/mm²
- Slip UNU-ENV 12633: USRV36 Class 3
- Impact resistance, UNE-EN ISO 6272-1:
 - **Height of fall: >1500 mm
 - **Value IR: IR=14,7 N·m
- Adherence UNE-EN 13892-8 : ≥ 1 N/mm²
- Classification according CTE, Section SU1: Class 3
- Behavior against fire: A1 euroclass
- Designation EN-13813: CT-C90-F11-A21

* These results are from standard essays with 6 kg/m2 and they can oscillate depending on the workplace conditions.

Enforcements

- High resistance colored mortar for the industrial paving to be applied on the fresh concrete.
- Excellent resistance.
- Commercial premises, parking, industrial plants...
- Indoors and outdoors.

Supports

- On fresh concrete.

Finishes

- Polished – trowelled – striped.
- Hydrate layer (fresh on fresh).

Recomendations

- Application temperatures: 5-30 °C.
- The water percentage can oscillate depending on the used mixer.
- Do not add water once the product has been applied over the fresh concrete.
- Avoid application with strong wind or direct insolation.
- Respect, perimeter joint (min. 5 mm), expansion and fractionation.

Execution conditions

- The base is properly compacted and it has obtained the approval from the Project management team to receive the concrete.
- The site management team or the property will always decide concrete thickness.
- The concrete will be manufactured in an authorized plant and will be transported with concrete trucks in 30 minutes, it will have a cone of fall of 6.5 to 8 cm, to avoid the increase of slag and the segregation of granules.
- In the minutes following the regularization of concrete, it is smoothed allowing water to rise by capillarity and ensure perfect adhesion between concrete and mortar.
- Outdoors do not apply with wind, direct insolation, rain risk or frost-thaw possibility.
- Avoid application with low temperatures during the hours following to the mortar application. It increases the efflorescence by carbonation appearance risk.

Padec Industrial 400 Corundum®

Colored mortar for industrial paving

Usage way

- Manual application
- Mechanical application
- Hydrate layer (fresh on fresh)



Trowelled



Polished



Striped

Optional: Once the expansion joints are opened and the floor has no ponded water, apply 1-2 pass of resin **F-250, F-300, Paviplast epoxy**.

Associated products

- *Fiberglass
- *Paviplast epoxy
- *F-250
- *F-300
- *Microspheres
- *Hormidur SC
- *Pavistamp protector
- *Bryten CH



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Colors



Gray cement, red and green
(other on demand)

Consumption

Manual application: 6-7 kg/m²
Mechanical application: 6 -12 kg/m²
Hydrate layer (fresh on fresh): ±20 kg/ m² and cm thickness

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

⚠ IMPORTANT

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Padec Industrial 400®

Colored mortar for industrial paving

Cement, quartz sand (different grain sizes), pigments and additives.



Product

- High performances mortar
- Excellent durability
- Resistant to road and pedestrian traffic
- Colored

Observations

- The waiting times for application oscillate depending on the temperature, humidity and concrete kind.
- Protect all the easily stained zones with **Protector Pavistamp** (chests, kerbs, skirting...).
- With hot weather or wind use the superficial retarder **Bryten CH** to control quick humidity evaporation on the fresh concrete surface so that enables a perfect union between the mortar and concrete, avoiding the superficial fissures appearance.

Characteristics

- Manual application of **Padec Industrial 400** on fresh concrete.
- The mortar must be completely integrated on the fresh concrete.
- Avoid soaking the concrete with water.
- In the cold weather time, accelerate the concrete setting process with **Hormidur- SC**.
- After the first 24 hours approx. Cut the expansion joints.

Performances (6 kg/m2)

- Kneading water (Grey-C color): 12-14%
- Compression resistance: ≥ 80 N/mm²
- Bending resistance: ≥ 10 N/mm²
- Wear resistance: ≤ 21 N / mm²
- Adherence to the support: ≥ 1 N/mm²
- Slip UNU-ENV 12633: USRV36 Class 3
- Impact resistance, UNE-EN ISO 6272-1:
 - **Height of fall: >1500 mm
 - **Value IR: IR=14,7 N-m
- Classification according CTE, Section SU1: Class 3
- Behavior against fire: A1 euroclass
- Designation EN-13813: CT-C80-F10-A21

* These results are from standard essays with 6 kg/m2 and they can oscillate depending on the workplace conditions.

Enforcements

- High resistance colored mortar for the industrial paving to be applied on the fresh concrete.
- Treading layer with excellent resistance.
- Commercial premises, parking, industrial plants, airport runways...
- Indoors and outdoors.

Supports

- On fresh concrete.

Finishes

- Polished – trowelled – striped.
- Hydrate layer (fresh on fresh).

Recommendations

- Application temperatures: 5-30° C.
- The water percentage can oscillate depending on the used mixer.
- Do not add water once the product has been applied over the fresh concrete.
- Avoid application with strong wind or direct insolation.
- Respect, perimeter joint (min. 5 mm), expansion and fractionation.

Execution conditions

- The base is properly compacted, and it has obtained the approval from the Project management team to receive the concrete.
- The site management team or the property will always decide concrete thickness.
- The concrete will be manufactured in an authorized plant and will be transported with concrete trucks in 30 minutes, it will have a cone of fall of 6.5 to 8 cm, to avoid the increase of slag and the segregation of granules.
- In the minutes following the regularization of concrete, it is smoothed allowing water to rise by capillarity and ensure perfect adhesion between concrete and mortar.
- Outdoors do not apply with wind, direct insolation, rain risk or frost-thaw possibility.
- Avoid application with low temperatures during the hours following to the mortar application. It increases the efflorescence by carbonation appearance risk.

Padec Industrial 400®

Colored mortar for industrial paving

Usage way

- Manual application
- Mechanical application
- Hydrated layer (fresh over fresh)



Trowelled



Polished



Striped

Optional: Once the expansion joints are opened and the floor has no standing water, apply 1 - 2 passes of resin **F-300, F-250, Paviplast epoxy** without overloads.

Associated products

- *Fiberglass
- *Hormidur SC
- *F-250
- *F-300
- *Protector Pavistamp
- *Bryten CH
- *Paviplast epoxi
- *Microspheres



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Color



Cement gray, red and green
(others on demand)

Consumption

Manual application: 3 - 6 kg/m²
Mechanical application: 6 -12 kg/m²
Hydrate layer (fresh on fresh): ±20 kg/ m² and cm thickness

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

⚠ IMPORTANT

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Padec Industrial 400-HD®

For salt resistant industrial paving

Cement, quartz sand (different grain sizes), pigments and additives.



Product

- Frost-thaw resistant with salts
- High performances mortar
- Excellent durability
- Resistant to road and pedestrian traffic
- Colored

Observations

- The waiting times for application oscillate depending on the temperature, humidity and concrete kind.
- Protect all the easily stained zones with **Protector Pavistamp** (chests, kerbs, skirting...).
- With hot weather or wind use the superficial retarder **Bryten CH** to control quick humidity evaporation on the fresh concrete surface so that enables a perfect union between the mortar and concrete, avoiding the superficial fissures appearance.

Characteristics

- Manual application of **Padec industrial 400-HD** on fresh concrete.
- The mortar must be completely integrated on the fresh concrete.
- Avoid soaking the concrete with water.
- In the cold weather time, accelerate the concrete setting process with **Hormidur- SC**.
- After the first 24 hours approx. cut the expansion joints.

Performances (6 kg/m2)

- Kneading water (Grey-C color): 12-14%
- Compression resistance: ≥ 80 N/mm²
- Bending resistance: ≥ 10 N/mm²
- Wear resistance: ≤ 21 N / mm²
- Adherence to the support: ≥ 1 N/mm²
- Slip UNU-ENV 12633: USRV36 Class 3
- Impact resistance, UNE-EN ISO 6272-1:
 - **Height of fall: >1500 mm
 - **Value IR: IR=14,7 N·m
- Classification according CTE, Section SU1: Class 3
- Behavior against fire: A1 euroclass
- Designation EN-13813: CT80-F10-A21

** These results are from standard essays with 6 kg/m2 and they can oscillate depending on the workplace conditions.*

Enforcements

- High resistance colored mortar for the industrial paving to be applied on the fresh concrete.
- Treading layer with excellent resistance.
- Commercial premises, parking, industrial plants, airport runways...
- Indoors and outdoors.

Supports

- On fresh concrete.

Finishes

- Polished – trowelled - striped.
- Hydrate layer (fresh on fresh).

Recommendations

- Application temperatures: 5-30° C.
- The water percentage can oscillate depending on the used mixer.
- Do not add water once the product has been applied over the fresh concrete.
- Fresh over fresh, always respect the same percentage of water during mixing.
- Respect, perimeter joint (min. 5 mm), expansion and fractionation.
- Treat singular areas (fissures ...) with metal mesh or glass or metal fibers.
- Do not apply with direct sunstroke.

Execution conditions

- The base is properly compacted, and it has obtained the approval from the Project management team to receive the concrete.
- The site management team or the property will always decide concrete thickness.
- The concrete will be manufactured in an authorized plant and will be transported with concrete trucks in 30 minutes, it will have a cone of fall of 6.5 to 8 cm, to avoid the increase of slag and the segregation of granules.
- In the minutes following the regularization of concrete, it is smoothed allowing water to rise by capillarity and ensure perfect adhesion between concrete and mortar.
- Outdoors do not apply with wind, direct insolation, rain risk or frost-thaw possibility.
- Avoid application with low temperatures during the hours following to the mortar application. It increases the efflorescence by carbonation appearance risk.

Padec Industrial 400-HD®

For salt resistant industrial paving

Usage Way

- Manual application
- Mechanical application
- Hydrated layer (fresh over fresh)



Trowelled



Polished



Striped

Optional: Once the expansion joints are opened and the floor has no standing water, apply 1 - 2 passes of resin **F-300, F-250, Paviplast epoxy** without overloads.

Associated products

- *Fiberglass
- *Hormidur SC
- *F-300
- *F-250
- *Protector pavistamp
- *Bryten CH
- *Paviplast epoxi
- *Microspheres



Packaging

25 kg paper sacks
1200 kg pallet (48 sacks)

Colors



Gray cement, red and green
(other on demand)

Consumption

Manual sprinkling: 3 - 6 kg/m²
Mechanical sprinkling: 6 - 12 kg/m²
Hydrate layer: ±20 kg/ m² and cm thickness

Preservation

12 months from the fabrication date, in the closed original package and sheltered from outdoor.

⚠ IMPORTANT

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Padec Industrial 90®

Colored mortar for industrial paving

Cement, quartz sand (different grain sizes), pigments and additives.



Product

- High performances mortar.
- Excellent durability.
- Road traffic and pedestrian traffic resistant.
- Colored.

Observations

- The waiting times for application oscillate depending on the temperature, humidity and concrete kind.
- Protect all the easily stained zones with **Protector Pavistamp** chests, kerbs, skirting...).
- With hot weather or wind use the superficial retarder **Bryten CH** in order to control quick humidity evaporation on the fresh concrete surface so that enables a perfect union between the mortar and concrete, avoiding the superficial fissures appearance.

Characteristics

- **Padec Industrial 90** application through sprinkling on fresh concrete.
- The mortar has to be completely integrated on the fresh concrete.
- Avoid soaking the concrete with water.
- In the cold weather time, accelerate the concrete setting process with **Hormidur-SC**.
- Once the first 24 hours approx. are gone, open the expansions joints in 16-20 m2

Performances (6 kg/m2)

- Kneading water: 12-14%
- Bending resistance: ≥ 8 N/mm2
- Compression resistance: ≥ 35 N/mm2
- Wear resistance: ≤ 21 N/mm2
- Tensile strength: ≥ 1 N / mm2
- Slip UNU-ENV 12633: USRV36 Class 2
- Impact resistance, UNE-EN ISO 6272-1:
 - **Height of fall: >1500 mm
 - **Value IR: IR=14,7 N·m
- Adherence UNE-EN 13892-8 : >1,0 N/mm2
- Behavior against fire: A1 euroclass
- Designation: CT-C35-F8-A21

** These results are from standard essays with 6 kg/m2 and they can oscillate depending on the workplace conditions.*

Enforcements

- High resistance colored mortar for the industrial paving to be applied on the fresh concrete.
- Excellent resistance.
- Commercial premises, parking, industrial plants, airport runways...
- Indoors and outdoors.

Supports

- On fresh concrete.

Finishes

- Polished – trowelled – striped.
- Hydrate layer (fresh on fresh).

Recomendations

- Application temperatures: 5-30° C.
- The water percentage can oscillate depending on the used mixer.
- Do not add water once the product has been applied over the fresh concrete.
- Avoid application with strong wind or direct insolation.
- Respect, perimeter joint (min. 5 mm), expansion and fractionation.

Execution conditions

- The base is properly compacted and it has obtained the approval from the Project management team to receive the concrete.
- The site management team or the property will always decide concrete thickness.
- Concrete will be manufactured in an authorized plant and transported with tanker trucks within 30 minutes it will have a fall cone from 6.5 to 8 cm, in order to avoid the slag rise and the granule segregation.
- In the minutes following the regularization of the concrete, the concrete is smoothed allowing the water to rise by capillarity and ensuring a perfect adhesion between concrete and mortar.
- Outdoors do not apply with wind, rain risk or frost-thaw possibility.
- Avoid application with low temperatures during the hours following to the mortar application. It increases the efflorescence by carbonation appearance risk.

Padec Industrial 90®

Colored mortar for industrial paving

Usage way

- Manual application
- Mechanical application
- Hydrate layer (fresh on fresh)



Trowelled



Polished



Striped

Optional: Once the expansion joints are opened and the floor has no ponded water, apply 1-2 pass of resin **F-250, F-300, Paviplast epoxy**.

Associated products

- *Fiberglass
- *Paviplast epoxy
- *F-250
- *F-300
- *Microspheres
- *Hormidur SC
- *Pavistamp protector
- *Bryten CH



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Colors



Gray cement, red and green
(other on demand)

Consumption

Manual application: 3 - 6 kg/m²
Mechanical application: 6 - 12 kg/m²
Hydrate layer (fresh on fresh): ± 20 kg/ m² and cm thickness

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

⚠ IMPORTANT

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Padec Industrial Food 2C®

Mortar for food use pavement

Hydraulic binders, compensated grain size sand, mineral pigments, additives and glass fibers.



Product

- High chemical resistance
- Good anchorage on concrete
- Excellent abrasion resistance
- For agro-alimentary industry
- Markets, Preserve warehouses, Breweries...
- It holds fresh, salt and acid water immersions

Chemical resistance table

• Dry heat temperature:	130°C
• Wet heat temperature:	75°C
• Diluted acids	Resistance >3 years
• Diluted alkalis	Resistance >3 years
• Marine environment	Resistance >3 years
• Industrial environment	Resistance >3 years

Characteristics

- Over wet humid:<4%
- Mixture life: 40-50 minutes
- Open time: 20-30 minutes
- Thicknesses from 03 to 10 mm.
- Drying time: from 5 to 6 hours
- Commissioning: from 24 to 36 hours

** These times are with 20 °C contemplated. They can considerably oscillate depending on the ambient temperature.*

Performances (10 mm thickness)

- Bending resistance (28 days): ≥ 10 N/mm²
- Compression resistance (28 days): ≥ 70 N/mm²
- Adherence UNE-EN 13892-8: 1.3 N/mm²
- Slip resistance: class 3
- Impact resistance, UNE-EN ISO 6272-1:
 - **Height of fall: >1500 mm
 - **Value IR: IR=14,7 N-m
- Frost-thaw resistance with salts immersion UNE-EN 1339: 0.10 Kg/m² Class 3 Marking D
- Resistance wear Böhme: 10.8 cm³ / 50 cm²
- Behavior against fire: A1 euroclass
- Designation: CT-C60-F8-A10

*** These results are standard essays, 10 mm thickness over fresh concrete and they can oscillate depending on the workplace conditions.*

Enforcements

- High performances colored mortar, to be used in alimentary use industrial pavement, applied as a screed over existing high resistance concrete.
- The complete system (as screed) provides an anti-slip wearing course, completely waterproof and watertight with excellent abrasion resistance. It can hold heavy forklifts traffic and specific alimentary sector devices.
- Protects against erosion pavements subjected to heavy traffic.

Supports

- Cement bases.

Thickness

- From 03 to 10 mm (finished).

Finishes

- Polished, rustic, decorated.

Recommendations

- Application temperatures 5°C to 25°C.
- Respect always the same percentage from **comp B** during the kneading process.
- Respect perimeter joint (min. 5 mm) expansion joint and retraction joint with a cutting or decorative joint.
- Treat the singular zones (fissures...) with metallic mesh or glass fiber.
- Do not apply with direct insolation.

Execution conditions

- The existing support must be resistant, and its setting has to be completed. The support must be clean and without dust, paintings, oils...
- On non-absorbent supports (marble, granite...), mill, vacuum and apply **Pavex primer system**.
- In all cases, on new concrete (set> 28 days) or old and compression> 25 N / mm², mill the surface layer until the aggregate appears, aspirate and apply the **Pavex primer system**.
- Avoid wind streams during the application and 72 hours after the application.
- Do not apply **Padec ind. food 2-C**, over no guarantee or very deteriorated concretes.
- Avoid the application on surfaces with more than 25°C the temperature has to be measured on the pavement or with direct insolation
- Do not apply **Padec ind. food 2-C**, with capillary rising humidity possibility.

Padec Industrial Food 2C®

Mortar for food
use pavement

Usage way

Manual kneading:

- 25 kg of powder
- 3,5 l comp.B (liquid)

First spill the liquid above the dust until obtaining a homogeneous mass without lumps.

Apply the required thickness (3-10 mm) and smooth with the proper tool.

At the beginning of setting, perform the desired finish.

Optional sealed

To ensure maximum mechanical and chemical resistance, after 48 hours of the application of **Padec ind. 2-C food**, the sealing of resin to water

Paviplast epoxy in 3 passes will be applied, incorporating 20% of non-slip microspheres in the second pass.

The application between passes will be with intervals between 3-6 hours (touch drying).

** The times can oscillate according to the ambient temperature.*



Trowelled



Polished



Striped

Associated products

*Pavex primer system

*Paviplast epoxi

*Microspheres

*Filmat-R

*Hormidur SC

*Protector pavistamp

*Bryten CH

*Fiberglass



Packaging

25 kg sack
1200 kg Pallet (48 sacks)
Comp. B 20 lt. drums.
480 lt. Pallets (24 drums)

Colors

Cement grey, red and green
(others on demand)

Consumption

±2 kg/m² and mm thick

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

⚠ IMPORTANT

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Padec Industrial Food®

Continuous pavement for alimentary use

Cement base, compensated grain size arid, resins, specific additives and mineral pigments.



Product

- Excellent chemical resistance and good adherence.
- Excellent abrasion resistance and compression high resistance.
- Superior hardness to a conventional concrete.
- Supports fresh, salt, acid water immersion.
- Agro food industry, markets, preserve warehouses, breweries...
- Slaughterhouses and butcher rooms.
- Pre-cooked food.

Chemical resistance table

- Dry heat temperature: 130°C
- Wet heat temperature: 75°C
- Diluted acids: Resistance >3 years
- Diluted alkalis: Resistance >3 years
- Marine environment: Resistance >3 years
- Industrial environment: Resistance >3 years
- Fresh water immersion: Resistance >5 years
- Saltwater immersion: Resistance >5 years
- 20°C below zero resistant

Characteristics

- Kneading time: 3-4 minutes
- Let stand for: 2 minutes
- Mix life: 25-30 minutes
- Start of setting: like a traditional concrete
- Dry to the touch: 6-7 hours
- Passable (pedestrian): ±10 hours
- Commissioning > 28 days

** These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances (10 mm)

- Kneading water (Grey-C color): 12-14%
- Bending resistance (28 days): ≥ 10 N/mm²
- Compression resistance (28 days): ≥ 70 N/mm²
- Adherence UNE-EN 13892-8: 1.3 N/mm²
- Slip resistance: class 3
- Impact resistance, UNE-EN ISO 6272-1:
 - **Height of fall: >1500 mm
 - **Value IR: IR=14,7 N-m
- Frost-thaw resistance with salt immersion UNE-EN 1339: 0.10 Kg/m² Class 3 Marcado D
- Resistance wear Böhme: 10.8 cm³ / 50 cm²
- Behavior against fire: A1 euroclass
- Designation: CT-C60-F8-A10

*** These results are from standard essays, 10 mm thickness over fresh concrete and they can oscillate depending on the workplace conditions.*

Enforcements

- High performance colored mortar for industrial paving for food use.
- Applied on fresh concrete (fresh on fresh) and manual or mechanical application.
- The complete system (fresh on fresh) provides a non-slip, fully waterproof and watertight tread layer with excellent abrasion resistance, capable of withstanding the heavy traffic of forklifts and specific food-field equipment.
- Protects erosion from pavements subject to heavy traffic.

Supports

- On fresh concrete.

Thickness

- 3 to 10 mm (finished).

Finishes

- Polished – rustic – decorated
- Hydrated layer (fresh on fresh)

Recommendations

- Application temperatures: 5-30°C.
- The water percentage can oscillate depending on the used mixer.
- Fresh on fresh, respect always the same water percentage in the mixture.
- Respect perimeter joint (min. 5 mm), expansion and fractionation.
- Avoid application with strong wind or direct insolation.

Execution conditions

- The base is properly compacted, and it has obtained the approval from the Project management team to receive the concrete.
- The site management team or the property will always decide concrete thickness.
- The concrete will be manufactured in an authorized plant and will be transported with concrete trucks in 30 minutes, it will have a cone of fall of 6.5 to 8 cm, to avoid the increase of slag and the segregation of granules.
- In the minutes following the regularization of concrete, it is smoothed allowing water to rise by capillarity and ensure perfect adhesion between concrete and mortar.
- Outdoors do not apply with wind, direct insolation, rain risk or frost-thaw possibility.
- Avoid application with low temperatures during the hours following to the mortar application, it increases the efflorescence by carbonation appearance risk.

Padec Industrial Food®

Continuous pavement for
alimentary use

Usage ways

Application:

- Manual application
- Mechanical application
- Hydrated layer (fresh over fresh)

Optional seal

To ensure maximum mechanical and chemical resistance, 48 hours after the application of **Padec Industrial Food**, the water-based epoxy resin seal

Paviplast epoxy (transparent) will be applied in 3 passes, incorporating 20% non-slip **Microspheres** in the second pass.

The application between passes will be, with intervals between 3-6 hours (dry to the touch).

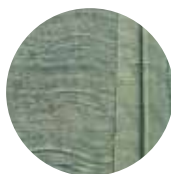
** The times can oscillate depending on the ambient temperature.*



Trowelled



Polished



Striped

Associated products

- *Paviplast epoxy
- *F-300
- *F-250
- *Microspheres
- *Hormidur SC
- *Pavistamp protector
- *Bryten CH
- *Fiberglass



Packaging

25 kg sack
1200 kg pallet (48 sacks).

Colors

Cement grey, red and green
(other on demand)

Consumptions

Manual application: 3 - 6 kg/m²
Mechanical application: 6 - 12 kg/m²
Hydrate layer (fresh on fresh): ±20 kg/m² and cm thickness

** These consumptions can oscillate depending on the support and on the arid grain size.*

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

⚠ IMPORTANT

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Padec Industrial Corundum®

Colored mortar for industrial paving

Cement, quartz sand, mineral corundum, pigments and additives.



Product

- High performances mortar
- Excellent durability
- Road traffic and pedestrian traffic resistant
- Colored.

Observations

- The waiting times for application oscillate depending on the temperature, humidity and concrete kind.
- Protect all the easily stained zones with **Protector Pavistamp** (chests, kerbs, skirting...).
- With hot weather or wind use the superficial retarder **Bryten CH** to control quick humidity evaporation on the fresh concrete surface so that enables a perfect union between the mortar and concrete, avoiding the superficial fissures appearance.

Characteristics

- **Padec industrial corundum** application through sprinkling on fresh concrete.
- The mortar must be completely integrated on the fresh concrete.
- Avoid soaking the concrete with water.
- In the cold weather time, accelerate the concrete setting process with **Hormidur-SC**.
- After the first 24 hours approx. cut the expansion joints.

Performances (6 kg/m²)

- Kneading water (grey-c color): 12-14%
- Compression resistance: ≥ 60 N/mm²
- Bending resistance: ≥ 10 N/mm²
- Wear resistance: ≤ 21 N / mm²
- Slip UNU-ENV 12633: USRV36 Class 3
- Impact resistance, UNE-EN ISO 6272-1:
 - **Height of fall: >1500 mm
 - **Value IR: IR=14,7 N·m
- Classification according CTE, Section SU1: Class 3
- Behavior against fire: A1 euroclass
- Designation EN-13813: CT-C60-F10-A21

** These results are from standard essays with 6 kg/m² and they can oscillate depending on the workplace conditions.*

Enforcements

- High resistance colored mortar for the industrial paving to be applied on the fresh concrete.
- Treading layer with excellent resistance.
- Commercial premises, parking, industrial plants ...
- Indoors and outdoors.

Supports

- On fresh concrete.

Finishes

- Polished, rustic, decorated.
- Hydrate layer (fresh on fresh).

Recommendations

- Application temperatures: 5-30 °C.
- The water percentage can oscillate depending on the used mixer.
- Do not add water once the product has been sprinkled over the fresh concrete.
- Respect, perimeter joint (min. 5 mm), expansion and fractionation.
- Avoid application with strong wind or direct insolation.

Execution conditions

- The base is properly compacted and it has obtained the approval from the Project management team to receive the concrete.
- The site management team or the property will always decide concrete thickness.
- The concrete will be manufactured in an authorized plant and will be transported with concrete trucks in 30 minutes, it will have a cone of fall of 6.5 to 8 cm, to avoid the increase of slag and the segregation of granules.
- In the minutes following the regularization of concrete, it is smoothed allowing water to rise by capillarity and ensure perfect adhesion between concrete and mortar.
- Outdoors do not apply with wind, rain risk or frost-thaw possibility.
- Avoid application with low temperatures during the hours following to the mortar application. It increases the efflorescence by carbonation appearance risk.

Padec Industrial Corundum®

Colored mortar for industrial paving

Usage way

- Manual dusting
- Mechanical dusting
- Hydrated layer (fresh over fresh)



Trowelled



Polished



Striped

Opcional: Once the expansion joints are opened and the pavement has no ponded water, apply without overloading 1-2 cured resin coats **F-300** or **F250, Paviplast epoxy**.

Associated products

- *Fiberglass
- *Hormidur SC
- *F-250
- *F-300
- *Protector Pavistamp
- *Bryten CH
- *Paviplast epoxi
- *Microspheres



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Colors



Cement gray, red and green
(others on demand)

Consumption

Manual sprinkling: 3 - 6 kg/m²
Mechanical sprinkling: 6 - 12 kg/m²
Hydrate layer (fresh on fresh): ±20 kg/ m² and cm thickness

Preservation

In original closed container, and sheltered from outdoor
and humidity: 1 year

⚠ IMPORTANT

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Padec Industrial®

Colored mortar for industrial paving

Cement, quartz sand (different grain sizes), pigments and additives.



Product

- High performances mortar
- Excellent durability
- Road traffic and pedestrian traffic resistant
- Colored

Observations

- The waiting times for application oscillate depending on the temperature, humidity and concrete kind.
- Protect all the easily stained zones with **Protector Pavistamp** (chests, kerbs, skirting...).
- With hot weather or wind use the superficial retarder **Bryten CH** to control quick humidity evaporation on the fresh concrete surface so that enables a perfect union between the mortar and concrete, avoiding the superficial fissures appearance.

Characteristics

- Manual application of **Padec industrial** on fresh concrete.
- The mortar must be completely integrated on the fresh concrete.
- Avoid soaking the concrete with water.
- In the cold weather time, accelerate the concrete setting process with **Hormidur- SC**.
- After the first 24 hours approx. cut the expansion joints.

Performances (6 kg/m2)

- Kneading water (Grey-C color): 12-14%
- Compression resistance: ≥ 30 N/mm²
- Bending resistance: ≥ 6 N/mm²
- Wear resistance: ≤ 21 mm
- Adherence to the support: ≥ 1 N/mm²
- Slip UNU-ENV 12633: USRV36 Class 3
- Impact resistance, UNE-EN ISO 6272-1:
 - **Height of fall: >1500 mm
 - **Value IR: IR=14,7 N·m
- Behavior against fire: A1 euroclass

* These results are from standard essays with 6 kg/m2 and they can oscillate depending on the workplace conditions.

Enforcements

- High resistance colored mortar for the industrial paving to be applied on the fresh concrete.
- Excellent resistance.
- Developed to avoid dust release from the conventional concrete.
- Commercial premises, parking, industrial plants...
- Indoors and outdoors.

Supports

- On fresh concrete.

Finishes

- Polished – trowelled – striped
- Hydrate layer (fresh on fresh).

Enforcement tips

- Application temperatures: 5-35° C.
- The water percentage can oscillate depending on the used mixer.
- Do not add water once the product has been sprinkled over the fresh concrete.
- Avoid application with strong wind or direct insolation.
- Respect, perimeter joint (min. 5 mm), expansion and splitting joints.

Execution conditions

- The base is properly compacted and it has obtained the approval from the Project management team to receive the concrete.
- The site management team or the property will always decide concrete thickness.
- The concrete will be manufactured in an authorized plant and will be transported with concrete trucks in 30 minutes, it will have a cone of fall of 6.5 to 8 cm, to avoid the increase of slag and the segregation of granules.
- In the minutes following the regularization of concrete, it is smoothed allowing water to rise by capillarity and ensure perfect adhesion between concrete and mortar.
- Outdoors do not apply with wind, direct insolation, rain risk or frost-thaw possibility.
- Avoid application with low temperatures during the hours following to the mortar application. It increases the efflorescence by carbonation appearance risk.

Padec Industrial®

Colored mortar for industrial paving

Usage way

- Manual dusting application
- Mechanical application
- Hydrated layer (fresh over fresh)



Trowelled



Polished



Striped

Optional: Once the expansion joints are opened and the floor has no standing water, apply 1 - 2 passes of resin **F-300, F-250, Paviplast epoxy** without overloads.

Associated product

- *Fiberglass
- *Hormidur SC
- *F-300
- *F-250
- *Protector Pavistamp
- *Bryten CH
- *Paviplast epoxi
- *Microspheres



Packing

25 kg sack
1200 kg pallet (48 sacks)

Colors



Gray cement, red and green
(other on demand)

Consumption

Manual application: 3-6 kg/m² and depending on the color
Mechanical application: 6-12 kg/ m²
Hydrated layer: ±20 kg/m² and cm thickness (fresh on fresh)

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

⚠ IMPORTANT

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Padec Industrial Webusin®

Colored mortar for industrial paving

Cement, quartz sand, aluminum silicates, pigments and additives.



Product

- High performances mortar
- Excellent durability
- Resistant to road and pedestrian traffic
- Colored

Observations

- The waiting times for application oscillate depending on the temperature, humidity and concrete kind.
- Protect all the easily stained zones with **protector Pavistamp** (chests, kerbs, skirting...).
- With hot weather or wind use the superficial retarder **Bryten CH** to control quick humidity evaporation on the fresh concrete surface so that enables a perfect union between the mortar and concrete, avoiding the superficial fissures appearance.

Characteristics

- **Padec industrial webusin** application through sprinkling on fresh concrete.
- The mortar has to be completely integrated on the fresh concrete.
- Avoid soaking the concrete with water.
- In the cold weather time, accelerate the concrete setting process with **Hormidur- SC**.
- Once the first 24 hours approx. are gone, open the expansions joints.

Performances (6 kg/m2)

- Kneading water (grey-c color): 12-14%
- Bending resistance: ≥ 8 N/mm²
- Compression resistance: ≥ 35 N/mm²
- Wear resistance: ≤ 21 N/mm²
- Slip: USRV 36 / Class 2
- Impact resistance, UNE-EN ISO 6272-1:
 - **Height of fall: >1500 mm
 - **Value IR: IR=14,7 N·m
- Adherence UNE-EN 13892-8: ≥ 1 N/mm²
- Behavior against fire: A1 euroclass
- Designation: CT-C35-F8-A21

* These results are from standard essays with 6 kg/m2 and they can oscillate depending on the workplace conditions.

Enforcements

- High resistance colored mortar for the industrial paving to be applied on the fresh concrete.
- Excellent resistance.
- Commercial premises, parking, industrial plants...
- Indoors and outdoors.

Supports

- On fresh concrete.

Finishes

- Polished – rustic – decorated
- Fresh on fresh (hydrated layer).

Recommendations

- Application temperatures: 5-35° C.
- The water percentage can oscillate depending on the used mixer.
- Do not add water once the product has been applied over the fresh concrete.
- Avoid application with strong wind or direct insolation.
- Respect, perimeter joint (min. 5 mm), expansion and fractionation.

Execution conditions

- The base is properly compacted and it has obtained the approval from the Project management team to receive the concrete
- The site management team or the property will always decide concrete thickness.
- The concrete will be manufactured in an authorized plant and will be transported with concrete trucks in 30 minutes, it will have a cone of fall of 6.5 to 8 cm, to avoid the increase of slag and the segregation of granules.
- In the minutes following the regularization of concrete, it is smoothed allowing water to rise by capillarity and ensure perfect adhesion between concrete and mortar.
- Outdoors do not apply with wind, direct insolation, rain risk or frost-thaw possibility.
- Avoid application with low temperatures during the hours following to the mortar application, it increases the efflorescence by carbonation appearance risk.

Padec Industrial Webusin®

Colored mortar for industrial paving

Usage way

- Manual application
- Mechanical application
- Hydrated layer (fresh over fresh)



Trowelled



Polished



Striped

Optional: Once the expansion joints are opened and the pavement has no standing water, apply 1 - 2 passes of resin **F-300, F-250, Paviplast epoxy** without overloads.

Associated products

- *Fiberglass
- *Hormidur SC
- *F-250
- *F-300
- *Protector Pavistamp
- *Bryten CH
- *Paviplast epoxy
- *Microspheres



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Colors



Gray cement, red and green
(others on demand)

Consumption

Manual application: 6-7 kg/m² depending on the color
Mechanical application: 10-12 kg/ m²
Hydrated layer: ±20 kg/m² and cm thickness (fresh on fresh)

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

⚠ IMPORTANT

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Pavicem Thick Micro Mortar

For floor and wall preparation

Grey and white cement, arid in different grain sizes, additives and resins.



Product

- Preparation mortar to receive Pavicem micro cement.
- Pavements and facades.
- Without joints.
- Indoors and outdoors.

Observations

- Do not incorporate water and no other additive to the mortar.
- Do not apply **Pavicem micro mortar** with humidity capillary rising possibility.
- On absorbent or porous surfaces moisten before applying the product.
- Do not apply on surfaces with humidity >4%.
- Treat the singular zones (fissures...) with glass fiber mesh.

Characteristics

- Mixture life: ± 30 minutes
- Open time: ±15 minutes
- Maximum thickness: 0.1 - 2 mm
- Maximum thickness per layer: 0.5- 1 mm
- Dried to touch: from 2 to 4 hours
- Commissioning: 24-48 hours

** These times are contemplated at 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Adherence EN- 1015/12: 0.98 N/mm²
- Water absorption: 0.004 g/cm²
- Ice and thaw: 0.01 kg/cm²
- Behavior against fire: A1 euroclass

*** These results are from standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- Grey and white thick micro mortar for floor and wall preparation to receive the micro cement.
- Minimum thickness (0.1- 0.2 mm)
- Over concrete slab, porous concrete, marble, ceramic, wood
- Indoors and outdoors.

Supports

- Concrete, mortar, ceramic, marble, wood, plasterboard, tiled...

Finishes

- Preparation product.

Recommendations

- Application temperatures 10°C to 30°C.
- In the case of damp or by capillary lift, use **Ecopox-cem plus 3C**.
- Respect always the same percentage **Acrylcem** during the mixture.
- Do not add water to the product.
- Respect the expansion joints and retraction joints.

Execution conditions

- The existing support has to be resistant and its setting completed. It must contain no dust, paintings, oils...
- Base of mortar, concrete...must has its setting completed (≥ 28 days) and with humidity < 4 %.
- On old concrete, open the pore and aspirate, apply 1 2 passes of hardener **Silicate** or **F-600**.
- In all cases on surfaces (concrete, ceramic, wood ...) open pores and apply 1-2 passes of primer **Pavex-2C primer** or **F-300**.
- Once the surface is leveled and prepared, apply the micro cement "to zero" with the right tool, until you achieve the desired thickness and effect.
- Between layer and layer, sand and vacuum the irregularities to obtain the desired texture.
- Outdoors, do not apply with direct insolation, wind, rain risk or frost-thaw possibility.
- With low temperatures, avoid the mortar application in the following hours as it increases the efflorescence by carbonation appearance risk.

Pavicem Thick Micro Mortar

For floor and
wall preparation

Usage way

Mixture ratio: 2 to 1

- 2 **Pavicem Thick** parts
- 1 **Acrylcem** part

Mix the 2 components during 5 minutes with the indicated whisk, with low revolutions until obtaining a homogeneous mass, workable and without lumps and let it rest for 2 minutes.

In normal conditions, a **Pavicem Thick** layer is enough to regularize the surface (over very irregular floors, apply **Floor self-leveling**).

Once the surface is regularized, apply micro cement until obtaining the desired effect.

Associated product

*Pavex-2C primer

*Ecopox-cem plus 3C

*Micro cement

*Acrylcem

*Silicate

*F-600

*Floor self-leveling



Packaging

25-5 kg

25 kg drum

675 kg pallet (27 drums)

Colors

White and gray
(others on demand)

Consumption

(1 layer)

Pavicem thick: $\pm 0,3$ kg/m²

Acrylcem: $\pm 0,15$ kg/m²

*These consumptions can oscillate depending on the support and coat number.

Preservation

In original closed container (20°C), and sheltered from outdoor and humidity: 2 years

⚠ IMPORTANT

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Pavicem Medium (0.6/0.25 mm)

For the renovation and decoration of floors and facades

Special cement, selected aggregates, additives, resins and pigments.



Product

- Colored continuous pavement
- Without joints, deformable and flexible
- Waterproof and breathable
- Null wastage to abrasion
- Indoors and outdoors

Observations

- Do not incorporate water and no other additive to the mortar.
- Do not apply **Pavicem medium** with humidity capillary rising possibility. On absorbent or porous surfaces moisten before applying the product.
- Treat the singular zones (fissures...) with glass fiber mesh.
- Do not apply over surfaces with humidity >4%.
- This product is not resistant to acids, aggressive cleaners, bleaches ..

Characteristics

- Mixture life: ± 30 minutes
- Open time: ± 15 minutes
- Maximum thickness: 0.1 - 2 mm
- Maximum thickness per layer: 0.5- 1 mm
- Dried to touch: 2-4 hours
- Commissioning (> 20°C): ≥ 48 hours

** These times are contemplated at 20°C, and they can oscillate depending on the ambient temperature.*

Performances

- Adherence EN- 1015/12: 0.98 N/mm²
- Water absorption: 0.004 g/cm²
- Abrasion wastage: ≤ 15 mm
- Frost-thaw with salts: 0.01 kg/cm²
- Slip resistance: Class 2-3 (depending on the finish)
- Slip resistance: Class 1 (indoors)
- Behavior against fire: A1 euroclass

*** These results are from standard essays, and they can oscillate depending on the workplace conditions.*

Enforcements

- Colored deformable micro cement with high performances for floor renovation and decoration.
- Fit for pedestrian and road traffic
- Minimum thickness (1-2 mm)
- Without wastage
- Indoors and outdoors.

Supports

- Floors: On concrete slab, terrazzo, marble, ceramic, wood, glass.
- Walls: On **Revistamp sec**, **Revislant** (thermal insulation), conventional mortar, concrete, paint in good condition, plaster, plasterboard, wood, glass.

Finishes

- Smooth, rough, like painting.
- Venetian type, marbled, wood.

Recommendations

- Application temperatures 10°C to 30°C.
- In the case of damp or by capillary lift, use **Ecopox-cem plus 3C**.
- To avoid possible color changes, during mixing, always respect the same percentage of water.
- The percentage of water may vary depending on the beater used.
- Do not add water to the product
- To regulate the surface, use bonding bridge **Pavicem micro-mortar** or **Floor self-leveling**.
- Always respect the same percentage of **Acrylcem** during mixing.
- Do not add water to the product.

Execution Conditions

- The existing support must be resistant, and its setting completed. It must contain no dust, paintings, oils...
- Base of mortar, concrete...must has its setting completed (≥ 28 days) and with humidity < 4 %.
- On old concrete, mill the surface layer and vacuum, apply 1 - 2 passes of hardener **Silicate** or **F-600**.
- In all cases on surfaces (concrete, ceramic, wood...) open pore and apply 1-2 passes of primer **Pavex-2C primer** or **F-300** on walls.
- If necessary, apply a first coat **Pavicem micro mortar** to smooth the surface.
- Between passes, sand, polish, and vacuum irregularities to obtain the desired texture.
- Outdoors, do not apply with direct insolation, wind, rain risk or frost-thaw possibility.
- With low temperatures, avoid the mortar application in the following hours as it increases the efflorescence by carbonation appearance risk.

Pavicem Medium (0.6/0.25 mm)

For the renovation and decoration of floors and facades

Usage way

Mixing ratio: 2 to 1

- 2 parts powder
- 1 part **Acrylcem**

Mix the 2 Comp. for 5 minutes with the indicated mixer at low revolutions until obtaining a homogeneous, viable and lump free mass, let stand for 2 minutes.

Apply manually with the adequate trowel in coats with 0,5 mm maximum, until obtaining the desired effect.

Once the surface is completely dry, < 4 % humidity, apply the cured resin **Orfapol-50** (water base).

Optional: Orfapol colorless, porcelain effect and <4% humidity.

Associated products

- *Pavicem micro-mortar
- *Pavex-2C primer
- *Silicate
- *F-300
- *Floor self-leveling
- *Acrylcem
- *Orfapol-50
- *Orfapol colorless
- *Microspheres
- *Ecopox-cem plus 3C
- *Silicate



Packaging

(15 - 5 kg)
15 kg drum
405 kg pallet (27 drums)

Color

56 color chart
(Others on demand)

Consumption

(1 layer)
Pavicem medium: ± 0.2 kg/m²
Acrylcem: $\pm 0,1$ kg/m²
These consumptions can oscillate depending on the support and coat number.

Preservation

In original closed container (20°C) and sheltered from outdoor and humidity: 2 years

⚠ IMPORTANT

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Pavicem Micro Cement

For floor renovation and decoration

Special cement, selected arid, additives, resins and pigments.



Observations

- Do not incorporate water and no other additive to the mortar.
- Do not apply **Pavicem** with humidity capillary rising possibility.
- On absorbent or porous surfaces moisten before applying the product.
- Treat the singular zones (fissures...) with glass fiber mesh.
- Do not apply over surfaces with humidity >4%.
- This product is not resistant to acids, aggressive cleaners, bleaches ...

Characteristics

- Mixture life: ±30 minutes
- Open time: ±15 minutes
- Maximum thickness: 0.1 - 2 mm
- Maximum thickness per layer: 0.5- 1 mm
- Dried to touch: 2-4 hours
- Commissioning (> 20°C): ≥ 48 hours

* These times are contemplated at 20°C and they can oscillate depending on the ambient temperature.

Performances

- Adherence EN-1015/12: 0.98 N/mm²
- Water absorption: 0.004 g/cm²
- Abrasion wastage: ≤15mm
- Frost-thaw with salts: 0.01 kg/cm²
- Slip resistance: Class 2-3 (depending on the finish)
- Slip resistance: Class 1 (indoors)
- Behavior against fire: A1 euroclass

** These results are from standard essays, and they can oscillate depending on the workplace conditions.

Enforcements

- Colored deformable micro cement with high performances for floor renovation and decoration.
- Fit for pedestrian and road traffic
- Minimum thickness (1-2 mm)
- Without wastage
- Indoors and outdoors.

Supports

- Over concrete slab, terrazzo, marble, ceramic, wood, glass.

Finishes

- Smooth, wrinkled, as it was a painting.
- Venetian type, marbled, wood...

Recommendations

- Application temperatures 10°C to 30°C.
- In case of humidities or capillary rising, use **Ecopox-cem plus 3C**.
- To regularize the surface use, **Pavicem micro-mortar** or **Floor self-leveling**
- Always respect the equal percentage of **Acrylcem** during the mixture.
- Do not add water to the product.
- Respect the expansion and retraction joints.

Execution conditions

- The existing support must be resistant, and its setting completed. It must contain no dust, paintings, oils...
- Base of mortar, concrete...must has its setting completed (≥ 28 days) and with humidity < 4 %.
- On old concrete, mill the surface layer and vacuum, apply 1 - 2 passes of hardener **Silicate** or **F-600**.
- In all cases on surfaces (concrete, ceramics, wood ...) open pore and apply 1-2 passes of **Pavex-2C** primer or **F-300 primer**.
- Once the surface is level and prepared, apply the micro cement "to zero" with the appropriate tool, until the desired thickness and effect are achieved.
- Between passes, sand, polish, and vacuum irregularities to obtain the desired texture.
- Outdoors, do not apply with direct insolation, wind, rain risk or frost-thaw possibility.
- With low temperatures, avoid the mortar application in the following hours as it increases the efflorescence by carbonation appearance risk.

Pavicem Micro Cement

For floor renovation
and decoration

Usage way

Mixture ratio: 2 to 1.

* 2 **Pavicem** parts.

* 1 **Acrylcem** part.

Mix the 2 components for 5 minutes with the indicated mixer at low revolutions until obtaining a homogeneous viable and lump free mass, let stand for 2 minutes.

Apply manually with the adequate trowel in coats with 0.5 mm maximum, until obtaining the desired effect.

Once the surface is completely dry, < 4 % humidity, apply the cured resin **Orfapol- 50** (water base).

Opcional: Orfapol Colorless, porcelain effect and with humidity <4%.

Associated products

*Pavicem micro-mortar

*Pavex-2C primer

*Silicate

*F-300

*Floor self-leveling

*Acrylcem

*Orfapol-50

*Orfapol colorless

*Microspheres

*Ecopox-cem plus 3C

*Silicate



Packaging

(15 - 5 kg)

15 kg drum

405 kg pallet (27 drums)

Colors

56 colors chart

(others on demand)

Consumption

(1 layer)

Pavicem: $\pm 0,2$ kg/m²

Acrylcem: $\pm 0,1$ kg/m²

* These consumptions can oscillate depending on the support and coat number.

Preservation

In original closed container (20°C) and sheltered from outdoor and humidity: 2 years

⚠ IMPORTANT

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Pavicem Monocomponent

Renovation / Decoration of floors and facades

Special cement, selected arid, additives, resins and pigments.



Product

- Colored continuous pavement
- Without joints, deformable and flexible
- Waterproof and breathable
- Null wastage to abrasion
- Indoors and outdoors

Observations

- Do not incorporate no other additive to the mortar.
- Do not apply the mortar when there is a possibility of capillary rising dampness.
- On absorbent or porous surfaces moisten before applying the product.
- Treat the singular zones (fissures...) with glass fiber mesh.
- Do not apply over surfaces with humidity >4%.

Characteristics

- Mixture life: ± 3 hours
- Open time: ± 2 hours
- Maximum thickness per pass: 0.5- 1 mm
- Maximum thickness: 0.1 - 2 mm
- Dried to touch: 5-7 hours
- Commissioning (> 20°C): ≥ 48 hours

** These times are contemplated at 20°C, and they can oscillate depending on the ambient temperature.*

Performances (in the laboratory)

- Mixing water: 25-30% (according to grain size)
- Adherence EN- 1015/12: 0.98 N/mm²
- Water absorption: 0.004 g/cm²
- Abrasion wastage: 15,0 mm
- Frost-thaw with salts: 0.01 kg/cm²
- Slip resistance: Class 2-3 (depending on the finish)
- Slip resistance: Class 1 (indoors)
- Behavior against fire: A1 euroclass

*** These results are from standard essays, and they can oscillate depending on the workplace conditions.*

Applications

- Monocomponent microcement (thin, medium or thick) deformable colored microcement of high performance for the renovation and decoration of floors and facades.
- Fit for pedestrian and road traffic.
- Minimum thickness (1-2 mm)
- Without wastage
- Indoors and outdoors.

Supports

- Over concrete slab, terrazzo, marble, ceramic, wood, glass.

Finishes

- Smooth, textured or as paint.
- Venetian type, marbled, wood.

Recommendations

- Application temperatures 10°C to 30°C.
- In the case of damp or by capillary lift, use **Ecopox-cem plus 3C**.
- To avoid possible color changes, during mixing, always respect the same percentage of water.
- The percentage of water may vary depending on the beater used.
- To regulate the surface, use bonding bridge **Pavex-2C primer** or **Ecopox-cem plus 3C**.
- Respect the expansion and retraction joints.

Execution conditions

- The existing support has to be resistant, and its setting completed. It must contain no dust, paintings, oils...
- Base of mortar, concrete...must has its setting completed (≥ 28 days) and with humidity < 4 %.
- On old concrete, mill the surface layer and vacuum, apply 1 - 2 passes of hardener **Silicate** or **F-600**.
In all cases on surfaces (concrete, ceramics, wood ...) open pore and
- apply 1-2 passes of **Pavex-2C primer** or **F-300 primer**.
Once the surface is level and prepared, apply the micro cement "to zero" with the appropriate tool, until the desired thickness and effect are achieved.
- Between passes, sand, polish and vacuum irregularities to obtain the desired texture.
- Outdoors, do not apply with direct insolation, wind, rain risk or frost-thaw possibility.
- With low temperatures, avoid the mortar application in the following hours as it increases the efflorescence by carbonation appearance risk.

Pavicem Monocomponent

Renovation / Decoration of
floors and facades

Usage way

• Mixture ratio:

25-30% clean water and according to grain size.

Mix during 5 minutes with the indicated whisk with low revolutions until obtaining a homogeneous mass, workable without lumps and let it rest for 2 minutes.

Apply manually with the adequate trowel in coats with 0.5 mm maximum, until obtaining the desired effect.

Once the surface is completely dry, <4% humidity, apply the curing resin **Orfapol-50** (water based).

Optional: Orfapol colorless, porcelain effect and with humidity <4%.

Associated products

*Pavex 2C primer

*Pavicem microcement

*Orfapol-50

*Orfapol colorless

*Floor Self-leveling

*F-600

*Microspheres

*Silicate

*Ecopox-cem plus 3C



Packaging

Fine: 18 kg sack

Medium 25 kg sack

Thick: 25 kg sack

Colors

(Pavicem color chart)

56 color chart

(others on demand)

Consumption

0,2 - 0,4 kg/m²

(1 pass)

**These consumptions can oscillate depending
on the support and coat number.*

Preservation

In drum: 2 years

In sack: 1 year

In original closed container, and sheltered from
outdoor and humidity: 1 year

⚠ IMPORTANT

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Pavidur-1C AM/ECO

Viscous adhesive for stone union

One component adhesive, without solvents and loadings, classified in category Bfl s1 as fire resistant.



Product

- Colored continuous pavement
- Permeable and breathable
- Becomes yellow depending on the arid color
- Ideal for swimming pools surrounds
- Colors chart

Observations

- Becomes yellow depending on the arid color.
- Do not incorporate water and no other additive to the mixture.
- Treat the singular zones (fissures...) with the adequate mesh.
- The drying time will oscillate depending on the ambient temperature and existing humidity.
- Do not apply with rain risk, frosts, important temperature changes, direct insolation, strong wind...
- In case of emergency (rain, frost, extreme temperatures), always have tarps available to protect the pavement and not lose its characteristics.
- Over existing concrete base: consult.

Characteristics

- Application temperature measured over the pavement: 10 – 30°C
- Mixture life (20°C): 1 – 2 hours
- Thickness: from 3 to 6 cm
- Dried to touch: >5 hours
- Total drying: ±24 hours (3 cm / 20°C)
- Commissioning: > 2 days

* These times are contemplated at 20°C and they can oscillate depending on the ambient temperature.

System

System (4 cm thick)	Performances
% Arid: Resin in volume	95:5
Arid wetting	Good
Ambient temperature drying	4 h
Ambient temperature cured	24 h
Bending resistance 6 days Mpa	3 Mpa
Compression resistance 6 days	7 Mpa
Bending resistance 14 days	4 Mpa
Compression resistance 14 days	9 Mpa
Outdoor's resistance	Tonality change
Thermal shock	Breakage

Enforcements

- Surface fixer and mass binder, for triturated arid union.
- Permeable water.
- Avoids ponded water.
- Roundabout outlines, terraces, pedestrian streets, sidewalks, swimming pools, tree crown ...
- Moderated road traffic.
- Without maintenance.

Supports

- Concrete, compact gravel...

Finishes

- Seen arid.

Recommendations

- Application temperatures 10°C to 30°C.
- Respect always the same percentage **Pavidur – 1C AM/ECO** during the mixture.
- Do not add water to the product.
- Respect the expansion joints, perimeter joints and retraction joints.
- Preview the adequate inclinations for water evacuation.

Execution conditions

- Over vegetal land floor partially removed, leveled, and eventually consolidated through drainage sanitized with an anti-pollution layer. It must accomplish the compaction required by project or site management team.
- The existing support must be resistant, healthy, without dust, paintings, oils...
- In case of applying over new concrete, its setting must be completed (≥28 days) and with adequate inclinations for water evacuation.

Pavidur-1C AM/ECO

Viscous adhesive for stone union

Usage way

Add arid in the concrete mixer and the adhesive for its correct mixed, minimum for 10 minutes.

Grain size	Dosage
9-12 mm	4%
5-9 mm	5%
3-5 mm	7%

Once the mass is spilt over the pavement, smooth manually with a proper trowel or trowelling machine.

Dosage example:

Arid 5 – 9 mm = 5 l. **Pavidur-1C AM/ECO** + 100 kg arid.

** Before using the product, it is recommended to make a real test at the workplace and prove if the performances and finishes are the expected ones.*



IVORY



PINK



GRAY



GRAY STREAKED



WHITE



WELLOW



GREEN



RED ALICANTE



WOOD



ARID RIVER

Associated products

*Pavidur-1C CL/HITECH

*Pavidur-1C

*Arid



Packaging

25 liter drum
Aggregate: 30 kg bag

Colors

Colors chart

Consumption

(approximate)
Liquid: 0,75 l/m² and 1 cm thickness
Arid: 15 kg/m² and 1 cm thickness

Preservation

In original closed container, and sheltered from outdoor and humidity: 6 months

! IMPORTANT

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Pavidur-1C CL/HITECH

Viscous adhesive for stone union

One component adhesive, without solvents and loadings, classified in category Bfl s1 as fire resistant.



Product

- Does not become yellow
- Colored continuous pavement
- Permeable and breathable
- In swimming pools surrounds
- Colors chart
- High resistance

Observations

- Do not incorporate water and no other additive to the mixture.
- Treat the singular zones (fissures...) with the adequate mesh.
- The drying time will oscillate depending on the ambient temperature and existing humidity.
- Do not apply with rain risk, frosts, important temperature changes, direct insolation, strong wind...
- In case of emergency (rain, frost, extreme temperatures), always have tarps available to protect the pavement and not lose its characteristics.
- Over existing concrete base: consult.

Characteristics

- Application temperature measured over the pavement: 10 – 30°C
- Mixture life (20°C): 1 – 2 hours
- Thickness from 3 to 6 cm
- Dry touch: ≥5 hours
- Total dry: ±24 hours (3 cm / 20°C)
- Operating disposal time: > 2 days

* These times are contemplated at 20°C and they can oscillate depending on the ambient temperature.

System

System	1 Comp.
% Arid: Resin in volume	95:5
Arid wetting	Good
Ambient temperature drying	≥7 h
Ambient temperature cured	≥24 h
Bending resistance 6 days	≥4 Mpa
Compression resistance 6 days	≥8 Mpa
Bending resistance 14 days	≥5 Mpa
Compression resistance 14 days	≥10 Mpa
Outdoors resistance	Excellent
Thermal shock	Breakage

Enforcements

- Surface fixer and mass binder, for triturated arid union.
- Permeable water.
- Avoids ponded water.
- Roundabout outlines, terraces, pedestrian streets, sidewalks, swimming pools, tree crown
- Moderated road traffic.
- Without maintenance.
- Does not become yellow.

Supports

- Concrete, compact gravel...

Finishes

- Seen arid.

Recommendations

- Application temperatures 10°C to 30°C.
- Respect always the same percentage **Pavidur-1C CL/HITECH** during the mixture.
- Do not add water to the product.
- Respect the expansion joints, perimeter joints and retraction joints.
- Preview the adequate inclinations for water evacuation.

Execution conditions

- Over vegetal land floor partially erased, leveled and eventually consolidated through drainage sanitized with an anticontamination layer. It has to accomplish the compaction required by project or site management team.
- The existing support has to be resistant, healthy, without dust, paintings, oils ...
- In case of applying over new concrete, its setting has to be completed (≥28 days) and with adequate inclinations for water evacuation.

Pavidur-1C CL/HITECH

Viscous adhesive for
stone union

Usage way

Add arid in the concrete mixer and the adhesive for its correct mixed, minimum during 10 minutes.

Grain size	Dosage
9-12 mm	4%
5-9 mm	5%

Once the mass is spilt over the pavement, smooth manually with a proper trowel or trowelling machine.

Desage example:

Arid 5 – 9 mm = 5 lt **Pavidur-1c CL/HITEC**. + 100 kg arid.

** Before using the product, it is recommended to make a real test at the workplace and prove if the performances and finishes are the expected ones.*



Associated products

*Pavidur-1c

*Pavidur-1c AM/ECO

*Arid



Packaging

Colors

Colors chart

Consumption

(approximate)

Liquid: 0,75 l/m2 and 1 cm thickness

Arid: 15 kg/m2 and 1 cm thickness

Preservation

! IMPORTANT

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Pavidur-1C

Viscous adhesive for stone union

One component adhesive, without solvents and loadings, classified in category Bfl s1 as fre resistant.



Product

- Does not become yellow.
- Colored continuous pavement.
- Permeable and breathable.
- Ideal for swimming pools surrounds.
- Colors chart.

Observations

- Do not incorporate water and no other additive to the mixture.
- Treat the singular zones (fissures...) with the adequate mesh.
- The drying time will oscillate depending on the ambient temperature and existing humidity.
- Do not apply with rain risk, frosts, important temperature changes, direct insolation, strong wind...
- In case of emergency (rain, frost, extreme temperatures), always have tarps available to protect the pavement and not lose its characteristics.
- Over existing concrete base: consult.

Characteristics

- Application temperature measured over the pavement: 10 – 30°C
- Mixture life (20°C): 1 – 2 hours
- Thickness: from 3 to 6 cm
- Dried to touch: >5 hours
- Total drying: ±24 hours (3 cm / 20°C)
- Commissioning: > 2 days

* These times are contemplated at 20°C and they can oscillate depending on the ambient temperature.

System

Monocomponent System	Performances
% Arid: resein in volumen	95:5
Arid wetting	Good
Ambient temperature drying	≥6 h
Ambient temperature cured	≥24 h
Bending resistance 6 days	≥2 Mpa
Compression resistance 6 days	≥5 Mpa
Bending resistance 14 days	≥3 Mpa
Compression resistance 14 days	≥6 Mpa
Outdoors resistance	Excellent
Thermal shock	Breakage

Enforcements

- Surface fixer and mass binder, for triturated arid union.
- Permeable water.
- Avoids ponded water.
- Roundabout outlines, terraces, pedestrian streets, sidewalks, swimming pools, tree crown...
- Without maintenance.
- Does not become yellow.

Supports

- Concrete, compact gravel...

Finishes

- Seen arid.

Enforcement tips

- Application temperatures 10°C to 30°C.
- Respect always the same percentage **Pavidur-1C** during the mixture.
- Do not add water to the product.
- Respect the expansion joints, perimeter joints and retraction joints.
- Preview the adequate inclinations for water evacuation.

Execution conditions

- Over vegetal land floor partially erased, leveled and eventually consolidated through drainage sanitized with an anticontamination layer. It has to accomplish the compaction required by project or site management team.
- The existing support has to be resistant, healthy, without dust, paintings, oils...
- In case of applying over new concrete, its setting has to be completed (≥28 days) and with adequate inclinations for water evacuation.

Pavidur-1C

Viscous adhesive for stone union

Usage way

Add arid in the concrete mixer and the adhesive for its correct mixed, minimum during 10 minutes.

Grain size	Dosage
9-12 mm	4%
5-9 mm	5%
3-5 mm	7%

Once the mass is spilt over the pavement, smooth manually with a proper trowel or trowelling machine.

Dosage example:

Arid 5 – 9 mm = 5 l. Pavidur – 1c. + 100 kg arid.

** Before using the product, it is recommended to make a real test at the workplace and prove if the performances and finishes are the expected ones.*



Associated products

*Pavidur-1C CL/HITECH

*Pavidur-1C AM/ECO

*Arid



Packaging

25 liter container
Aggregate: 30 kg plastic bag

Colors

Colors chart

Consumption

(approximate)
Liquid: 0,75 l/m² y 1cm thickness
Arid: 15 kg/m² y 1 cm thickness

Preservation

In original closed container, and sheltered from outdoor and humidity: 6 months.

! IMPORTANT

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Pavidur Cementoso

Powder adhesive for stone bonding

Powder adhesive, free of solvents and fillers, classified in category Bfl s1 as fire resistant.



Properties

- Non-yellowing
- Colored continuous pavement
- Permeable and breathable
- Suitable for swimming pool environments
- Color range

Observations

- Do not incorporate any additive to the mixture.
- Treat the singular zones (fissures) with the appropriate mesh.
- The drying time will vary depending on the ambient temperature and humidity.
- Do not apply with risk of rain, frost, important temperature changes, direct sunlight, strong wind...
- Always have tarpaulins to protect the pavement in case of emergency (rain, ice, extreme temperatures...) so that it does not lose its performance.
- On existing concrete base: consult us.

Characteristics

- Application temperature measured on the pavement: 10 - 30oC
- Mixing life (20oC): 30 -45 minutes
- Thickness: >4 cm and according to support and aggregate.
- Dry to touch: >5 hours
- Total drying: >48 hours (4 cm / 20oC)
- Time in service: >7 days

** These times are contemplated at 20°C and may vary considerably depending on the ambient temperature.*

System

System	Monocomponent
Powder in parts	1
Aggregate in parts	8
Aggregate wetting	Good
Drying at room temperature	>48h.(20oC)
Curing at room temperature	28 days
Flexural strength 3 days	>2.0 Mpa
Compressive Strength 3 days	>5.0 Mpa
Flexural strength 28 days	>3,5 Mpa
Compressive Strength 28 days	>8.0 Mpa
Outdoor resistance	Excellent
Thermal Shock	Breakage

Applications

- Powdered surface fixative and binder in mass, for the bonding of crushed aggregates.
- Permeable to water.
- Avoids puddled water.
- Contours of traffic circles, terraces, pedestrian streets, sidewalks, swimming pools, crowns, trees, etc.
- Minimal maintenance.
- No yellowing.

Supports

- Concrete, compacted gravel...

Finishes

- Arid seen.

Recommendations

- Application temperatures 10°C to 30°C.
- Always respect the same percentage of Pavidur cementitious during the mixing.
- Do not add water to the product after mixing.
- To respect the joints of expansion, perimeter and retraction.
- To foresee the suitable slopes for the evacuation of the water.

Conditions of execution

- On soil with topsoil partially removed, leveled and possibly consolidated, cleaned by drainage with an anti-pollution layer, compacted as required by the project or site management.
- The existing support must be resistant, healthy, free of dust, paints, oils...
- In the case of application on new concrete, this must be completely set (≥28 days) and with adequate slopes for water drainage.

Pavidur Cementoso

Powder adhesive for stone bonding

Usage way

Proportion	Dosification
Aggregate (4-12 mm)	32 parts
Water	1 part
Pavidur Cementoso	4 parts

Add to the concrete mixer the aggregate + water + adhesive powder for its correct mixing, for at least 10 minutes.

Once the mass is poured on the pavement, smooth it manually with a suitable trowel or with a troweling machine.

Example dosage:

Aggregate: 8 parts

Water: 1/4 part

Pavidur Cementoso: 1 part

Important:

Before using the product, it is recommended to perform a real test on site and check if the performance and finish are as expected.

Associated products

*F-300 satin curing resin

*F 250 gloss curing resin



Packing

Sacks of 25 kg

Arid

30 kg plastic bag

Color

Color chart

Consumption

20 kg/m² and 1 cm thickness

Preservation

6 months from the date of manufacture, in closed original packaging, protected from weather and humidity.

⚠ IMPORTANT

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Pavifluid 150®

Fluid mortar for filling and leveling

Hydraulic conglomerates, different nature mineral arid with selected grain sizes, organics and inorganics.



Observations

Not apply:

- Outdoor floors.
- With ambient humidity >85%.
- Over humid floors subjected to continuous humidity rising.
- On degrading, fragile or unstable floors
- Underfloor heating in service;

*Stop: 24 hours before doing the work.

*Start-up: 21 days after finishing work,

*Following the commissioning protocol.

- Over lime base mortars (calcium sulfate).

Usage characteristics

- Let stand for: 2-3 min.
- Mixture life: 20 - 60 minutes
- Dried to touch: 4 to 8 hours
- Time to sanding: 12 - 48 hours
- Time to coat: 2 to 5 days
- Micro cement resins epoxy...: ≥7 days (maximum humidity for the support <4%)

* These times are contemplated at 20°C and they can considerably oscillate depending on the ambient temperature.

Performances (10 mm)

- Dust density: 1450 ± 50kg/m³
- Paste density: 1950 ± 50kg/m³
- Hardened product density: 1.700 ± 1.750kg/m³
- Kneading water: 18 % (in laboratory)
- Coat minimum thickness: 30mm
- Compression resistance: ≥15 N/mm²
- Bending resistance: ≥3 N/mm²
- Behavior against fire: A1 Euroclass

** These results are from standard essays and they can oscillate depending on the workplace conditions.

Enforcements

- Fluid conventional mortar with low density, normal setting and compensated retraction for filling and leveling.
- For new construction and rehabilitation.
- For filling, leveling and smoothing thickness differences from 30 - 100 mm.
- Indoor

Supports

- Concrete, existing pavement, tiles, terrazzo, ceramic...

Thickness

- From 30 to 100 mm

Finishes

- Pavicem microcement, paintings, epoxy, carpet, parquet...

Recommendations

- Application temperatures 5°C to 30°C.
- The water percentage can oscillate depending on the used mixer.
- Do not add any additive to the mortar.
- Use always the same water percentage.
- Respect the minimum thicknesses required according to the supports kinds.
- Respect perimeter joint (min. 5 mm), expansion joint and division joint.
- Treat the singular zones (fissures...) with metallic mesh or glass fiber.

Execution conditions

- The support must be solid, hard, dry, without dust, disintegrated zones, paintings, oils...
- Over new concrete, its setting must be completed ≥ 28 days and humidity <4%.
- Do not apply over fissured, degrading or with movement possibility concretes...
- On non-absorbent supports (marble, granite...), mill, vacuum and apply **Pavex primer system**.
- In all cases, on new concrete (set > 28 days) or old and compression ≥15 N / mm², milling of concrete, until the aggregate appears and apply the **Pavex primer system** or **F-300**.
- Over cement bases, weak and with no guarantees, mill until the arid appearance, vacuum and reinforce with **Silicate** hardener.
- Respect the perimeter joint, expansion joint, work joint with a cutting or profile placement.
- Compulsories avoid the direct sunlight and air streams during the application and 72 hours after.

Pavifluid 150®

Fluid mortar for filling and leveling

Usage way

- **Kneaded and transport with pumping:**

18-20 % water

- **Manual kneading:**

1 sack of 25 kg with 4,5 – 5 water liters, until obtaining a homogeneous mass without lumps.

If necessary, use the spiked roll to eliminate the occluded air in the mass and obtain a better leveling.

If required, after the drying takes place the sanding and vacuuming to eliminate possible grouts and guarantee the final coating adherence.

** Always perform a previous essay with the water percentage to be used in the production afterwards.*

Associated products

*Pavex primer system

*Silicate hardener

*F-300

*F-250

*Pavicem

*Epoxy



Packaging

25 kg sack

1200 kg pallet (48 sacks)

Colors

Cement grey

Consumption

18-20 kg / m2 and cm thickness

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

⚠ IMPORTANT

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Pavifluid 200®

Conventional self-leveling mortar

Hydraulic conglomerates, different nature mineral arid with selected grain sizes, organics and inorganics.



Observations

Not apply:

- On outdoor floors.
- With ambient humidity >85%.
- On wet floors subject to continuous rising humidity.
- In degraded, fragile or unstable soils.
- On underfloor heating in service (stop the heating 24 hours before and start up at least 21 days after completion of the work, gradually following the start-up protocol).
- On lime-based mortars (calcium sulfate).

Characteristics

- Kneading time: 2-3 minutes
- Let rest: 2 minutes
- Mixture life : 20 - 60 minutes
- Time to sanding: 12 – 48 hours
- Time for coating: 2 to 5 days
- Micro cem, epoxy, parquet...: ≥ 7 days (maximum humidity for the support < 4%)

** These times are contemplated at 20°C and they can considerably oscillate depending on the ambient temperature.*

Performances (10 mm)

- Dust density: 1400 ± 70kg/m³
- Kneading water in laboratory: 18%
- Compression resistance: ≥20 N/mm²
- Bending resistance: ≥5 N/mm²
- Adhesion on set concrete: ≥1 N/mm²
- Behavior against fire: A1 Euroclass

*** These results are from standard essays, and they can oscillate depending on the workplace conditions.*

Enforcements

- Conventional self-leveling mortar with low density, normal setting and compensated retraction for floor preparation and leveling, before a light pavement placement...
- For new construction and rehabilitation.
- For leveling and smoothing thicknesses differences from 3 - 60 mm.
- Indoors

Supports

- Concrete, existing pavement, tiles, terrazzo, ceramic...

Thicknesses

- 3 to 60 mm.

Finishes

- Micro cement, epoxy, carpet, parquet, cork...

Recommendations

- Temperatures 5°C to 30°C.
- The water percentage can oscillate depending on the used mixer.
- Do not add any additive to the mortar.
- Always use the same water percentage.
- Respect the minimum thicknesses required according to the support's kinds.
- Respect the expansion joints, perimeter joints and division joints. Treat the singular zones (fissures...) with metallic mesh or glass fiber.

Execution conditions

- The support must be solid, hard, dry, without dust, disintegrated zones, paintings, oils...
- Over new concrete, its setting must be completed ≥ 28 days and humidity <4%.
- Do not apply over fissured, degrading or with movement possibility concretes...
- On non-absorbent supports (marble, granite...), mill, vacuum and apply **Pavex primer system**.
- In all cases, on new concrete (set > 28 days) or old and compression ≥ 25 N / mm², milling of concrete, until the aggregate appears and apply the **Pavex primer system** or **F-300**.
- Over cement bases, weak and with no guarantees, mill until the arid appearance, vacuum and reinforce with **Silicate** hardener.
- Respect the perimeter joint, expansion joint, work joint with a cutting or profile placement.
- Compulsories avoid the direct sunlight and air streams during the application and 72 hours after.

Pavifluid 200®

Conventional self-leveling mortar

Usage way

- **With pumping:**

18-20 % of clean water.

- **Manual kneading:**

1 sack of 25 kg with 4 - 5 liters of clean water, until obtaining a homogeneous mass without lumps.

If necessary, use the spiked roll to eliminate the occluded air in the mass and obtain a better leveling.

If required, after the drying takes place the sanding and vacuuming to eliminate possible grouts and guarantee the final coating adherence.

With more than 30 mm thick, you can incorporate aggregates.

** Always perform a previous essay with the water percentage to be used in the production afterwards.*

Associated products

*Pavex primer system

*Silicate hardener

*F-300

*F-250

*Racly-2

*Microcement

*Orfapol 50



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Color

Gray

Consumptions

15 kg / m2 and cm thickness

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

⚠ IMPORTANT

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Pavifluid®

Fluid mortar for floor renovation and decoration

Hydraulic binders, micronized quartz sand, mineral pigments, additives and glass fibers.



Product

- Frost-thaw resistant
- Colored continuous and decorative pavement
- Finished from 10 to 15 mm.
- Road traffic and pedestrian traffic
- Indoors and outdoors
- Bombeable

Observations

- Do not add any additive to the mortar.
- On porous surfaces moisten before applying the product.
- Treat the singular zones (fissures...) with metallic mesh or glass fiber.
- The drying time will oscillate depending on the ambient temperature and existing humidity.
- Do not incorporate more water to the mixture than the recommended one, as it would alter the settings and the performances.
- Do not apply over mortar in calcium sulfate base or lime base.

Characteristics

- Mixture life: 40-50 minutes
- Let rest: 2 min
- Open time: 20-30 minutes
- Thickness (finish): 10 and 15 mm.
- Dry time: from 5 to 6 hours
- Commissioning: from 24 to 36 hours

** These times are contemplated at 20°C, and they can considerably oscillate depending on the ambient temperature.*

Performances (10 mm)

- Kneading water (in laboratory): 14%
- Compression resistance: ≥ 20 N/mm²
- Bending resistance: ≥ 6 N/mm²
- Wear resistance: ≤ 21 N/mm²
- Adherence to support: 1,8 N/mm²
- Impact resistance, UNE-EN 12633:
 - **Height of fall: >1500 mm
 - **Value IR: IR=14,7 N·m
- CTE slip resistance: Class 3
- Behavior against fire: A1 euroclass
- Designation EN 13813: CT- C20- F6- A21

*** These results are from standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- Fluid and colored mortar, high performance and fast setting for soils renovation, fit for pedestrian and road traffic.
- Frost-thaw resistance
- Floor reparation
- Over concrete with compression >20 Nmm².

Supports

- Concrete, mortar, ceramic, marble...

Thicknesses

- 10 to 15 mm (finished).
- Until 40 mm (as screed).

Finishes

- Stamping, smooth, troweled or striped.

Recommendations

- Application temperatures 5°C to 25°C,
- measured on the pavement.
- Respect always the same water percentage.
- The water percentage can oscillate depending on the used mixer.
- Do not add water to the product after the kneading.
- Respect the perimeter joints (min. 5 mm) the expansion joint and retraction joints with a cutting or the decorative joint.
- Do not apply with direct insolation, strong wind...

Execution conditions

- The existing support has to be resistant and its setting has to be complete. It must be without dust, paintings, oils...
- On nonabsorbent supports, mill, vacuum and apply the system **Pavex primer**.
- Always, over new concrete (setting > 28 days) or old concrete with compression >20 N/mm² (measured at the workplace), mill the superficial coat until the arid appearance, vacuum and apply the system **Pavex primer**.
- On old concretes, mill until the arid appearance, vacuum and reinforce with **Silicate** hardener.
- Do not apply **Pavifluid** over very deteriorated or fissured concretes.
- Do not apply **Pavifluid** over surfaces exceeding 25°C measured over the pavement.
- Outdoors, do not apply with direct insolation, wind, rain risk or frost-thaw possibility.

Pavifluid®

Fluid mortar for floor renovation and decoration

Usage way

- **Kneading with pumping:**
14-16 % water
- **Manual kneading:**
A 25 kg sack with \pm 3,5 clean water liters until obtaining a homogenous mass without lumps.

Apply the desired thickness and smooth with the adequate tool.

For stamping finish, sprinkle **Despi** and texture with the selected molds.

After 24 hours approx., eliminate the release agent with pressure water.

Once the pavement is dry and without humidity < 4%, apply 1- 2 **Orfapol 50** or **Racly-2** pass.

** These times can oscillate depending on the ambient temperature.*

**** Important:** always perform a previous essay with the water percentage to be used in production afterwards

Associated products

*Pavex primer system

*Silicate hardener

*Despi

*F-300

*Racly-2

*F-250

*Orfapol-50



Packing

25 kg paper sacks
1200 kg pallet (48 sacks)

Colors

Pavistamp colors chart
(others on demand)

Consumption

\pm 2 kg/m² and mm thickness

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

⚠ IMPORTANT

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Pavifluid HD®

Fluid and colored mortar resistant to the salts

Hydraulic bindings, micronized quartz sand, mineral pigments, additives and glass fibers.



Observations

- Do not add any additive to the mortar.
- Do not apply over lime base mortars (calcium sulfate).
- Over wet floors subjected to continuous humidity rising.
- Do not apply **Pavifluid-HD** over non-guaranteed concretes.
The drying time will oscillate depending on the ambient temperature and existing humidity.
- Do not incorporate more water to the mixture than the recommended one, as it would alter the settings and the performances.

Characteristics

- Mixture life: 40-50 minutes
- Let rest: 2 min
- Open time: 20-30 minutes
- Thickness (finish): 10 and 15 mm
- Dry time: from 5 to 6 hours
- Commissioning: from 24 to 36 hours

** These times are contemplated at 20°C, and they can considerably oscillate depending on the ambient temperature.*

Performances (10 mm)

- Kneading water (in laboratory): 14%
- Ice-thaw with salts immersion: 0,16 Kg / m².
- Compression resistance: ≥20 N/mm²
- Bending resistance: ≥6 N/mm²
- Adherence to support: ≥1,8 N/mm²
- Wear resistance: ≤21 N/mm²
Impact resistance, UNE-EN 12633:
 **Height of fall: >1500 mm
- **Value IR: IR=14,7 N·m
- Slip according CTE: Class 3
- Behavior against fire: A1 euroclass
- Designation EN 13813: CT- C20- F6- A21

*** These results are from standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- Fluid colored mortar with high performances and quick setting, frost-thaw resistant with salts immersion, for road traffic and pedestrian traffic floor renovation, indoors and outdoors.
- Floor reparation.
- Over concrete with compression >20 Nmm².
- Indoors and outdoors.

Supports

- Concrete, mortar, ceramic, marble...

Thickness

- 10 to 15 mm (finished)
- Until 40 mm (as screed)

Finishes

- Stamping, smooth, troweled or striped.

Recommendations

- Application temperatures 5°C to 25°C.
- The water percentage can oscillate depending on the used mixer.
- Respect always the same water percentage.
- Do not add water to the product after the kneading.
- Respect the perimeter joints (min. 5 mm) the expansion joint and retraction joints with a cutting or the decorative joint.
- Treat the singular zones (fissures...) with metallic mesh or glass fiber.
- Do not apply with direct insolation, strong wind...

Execution conditions

- The existing support must be resistant, and its setting must be complete. It must be without dust, paintings, oils...
- On nonabsorbent supports, mill, vacuum and apply the **system Pavex primer**.
- Always, over new concrete (setting > 28 days) or old concrete with compression > 20 N/mm² (measured at the workplace), mill the superficial coat until the arid appearance, vacuum and apply the **system Pavex primer**.
- On old concretes, mill until the arid appearance, vacuum, and reinforce with **Silicate** hardener.
- Do not apply **Pavifluid HD** over very deteriorated or fissured concretes.
- Avoid application over surfaces exceeding 25°C measured over the pavement.
- Outdoors, do not apply with direct insolation, wind, rain risk or frost-thaw possibility.

Pavifluid HD®

Fluid and colored mortar
resistant to the salts

Usage way

- **Kneading and transport with pumping:**
14-16 % water
- **Manual kneading:**
A 25 kg sack with 3,5 – 4 clean water liters, until obtaining a homogenous mass without lumps. Let stand and knead.

Apply the desired thickness and smooth with the adequate tool.

Stamping finish, sprinkle **Despi** and texture with the selected molds.

After 24 hours (depending on climatology), eliminate the **Despi** with pressure water.

And without ponded water, apply without overloading 1-2 resin passes **F-250** or **F-300**.

** The times can oscillate depending on the ambient temperature.*

Associated products

*System Pavex primer

*Silicate hardener

*Despi

*F-300

*F-250

*Water based epoxy



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Colors

Pavistamp colors chart
(others on demand)

Consumption

±2 kg/m² and mm thickness

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

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Pavifluid Industrial®

Fluid and colored mortar for floors

White cement, quartz, selected arid, fiber, additives and pigments.



Observations

Do not apply over:

- Fragile or unstable floors.
- Wet floors subjected to continuous humidity rising.
- Surfaces exceeding 25°C (measured over the pavement to be performed).
- With more water than the recommended.
- Non-guarantee concretes.

Usage characteristics

- Mass life: 20 minutes
- Let stand for: 2 min
- Dry touch: 2 - 4 hours
- Sanding time: 24 - 36 hours
- Seal time: **F-250 / F-300**: >24 hours
Time to seal **Orfapol 50**: from 7 days on and humidity < 4%.

** These times are contemplated at 20°C and they can considerably oscillate depending on the ambient temperature.*

Performances (10 mm)

- Powder density: 1400 ± 70 kg/m³
- Kneading water (in laboratory): 16 %
- Compression 28 days: ≥20 N/mm²
- Flexion 28 days: ≥5 N/mm²
- Minimum layer thickness: 10mm
- Wear resistance: ≤21 N/mm²
- Behavior against fire: A1 euroclass

*** These results are from standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- Colored mortar for floor repair, smoothing and decoration.
- New construction and rehabilitation.
- Outdoors and indoors.

Supports

- High resistance to compression > 20 Nmm² concretes or mortars.
- Thicknesses from 5 - 10 mm (finished)
- Until 30 mm (as stuffing).

Finishes

- Seen or sanding
- Micro cement, **Racly-2, Orfapol 50**.
- Synthetic coatings - sportive

Recommendations

- Application temperatures 5°C to 25°C.
- The water percentage can oscillate depending on the used mixer.
- Do not add any additive to the mortar.
- Respect always the same water percentage.
- Respect the minimum thicknesses required according to the support's kinds.
- Respect the expansion joints, perimeter joints and division joints.
- Treat the singular zones (fissures...) with metallic mesh or glass fiber.

Execution conditions

- The support must be solid and hard, dry and without dust, disintegrated zones, paintings, waxes and oils, oxides and plaster remain...
- Always, over new concrete or old concrete with compression >20 N/mm² (measured at the workplace), mill the superficial coat until the arid appearance, vacuum and apply the **system Pavex primer** system or **F-300**.
- On supports without absorption or very smooth, mill until the arid appearance, apply the **Pavex primer system**.
- If required, before pouring, vacuum and apply 1-2 quick primer passs **F-300**.
- Over old concretes, mill until the arid appearance, vacuum and reinforce with **Silicate** hardener.
Over new concrete with its setting completed (≥ 28 days).
Outdoors, do not apply with direct insolation, wind, rain risk or frost-thaw possibility.

Pavifluid Industrial®

Fluid and colored mortar for floors

Usage way

- **Kneading and transport with pumping:**

16-19 % water.

- **Manual kneading:**

A 25 kg sack with ± 4 -5 water liters, until obtaining a homogenous mass without lumps.

Apply the desired thickness and if necessary smooth with a leveling trowel.

* Always perform a previous essay with the water percentage to be used in production afterwards.

Associated products

*Pavex primer system

*Silicato hardener

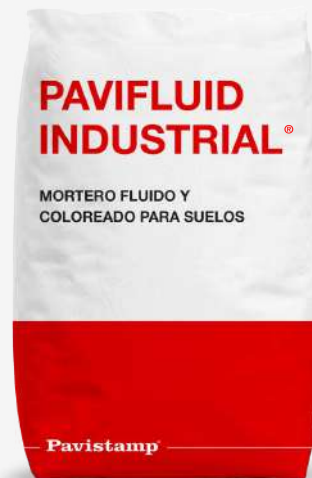
*F-300

*F-250

*Micro cement

*Orfapol-50

*Racly-2



Packaging

25 kg sack

1200 kg Pallet (48 sacks)

Colors

Grey and white
(others on demand)

Consumption

± 2 kg/m² and mm thickness

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

! IMPORTANT

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Pavifluid-MH®

Fluid micro concrete for renovation of industrial floors

Hydraulic binders, micronized quartz sand, mineral pigments, additives and glass fibers.



Observations

- Do not incorporate any additives into the mortar.
- On porous surfaces moisten before applying the product.
- Treat the singular areas (fissures...) with metal mesh or fiberglass.
- The drying time will vary depending on the existing temperature and humidity.
- Do not incorporate more water into the mixture than recommended, as it would alter the color, setting and performance.
- Do not apply on mortars based on calcium sulfate or lime base.

Characteristics

- Mix life: 40-50 minutes
- Rest time after kneading: 2 min
- Open time: 20-30 minutes
- Thickness (finish): ≥ 10 mm.
- Dry to the touch: 5 to 6 hours
- Commissioning: ≥ 48 hours

** These times are contemplated at 20°C and can vary considerably depending on the ambient temperature.*

Performances (10 mm)

- Kneading water (in laboratory): 14%
- Compression resistance: ≥ 20 N/mm²
- Bending strength: ≥ 6 N/mm²
- Adhesion to support: ≥ 1.8 N/mm²
- Impact resistance, UNE-EN 12633:
 - **Drop height: > 1500 mm
 - **IR value: IR=14.7 N·m
- Wear resistance: ≤ 21 N/mm²
- Slip according to CTE: Class 3
- Behavior to fire: A1 euroclass
- Designation EN 13813: CT- C20- F6- A21

*** These results are from standard tests and may vary depending on the conditions of commissioning.*

Applications

- High performance and fast setting colored fluid micro-concrete for the renovation of industrial floors, road traffic, pedestrian...
- Ice-thaw resistant
- Soil repair
- On concrete and compression > 20 Nmm².

Stands

- Concrete, mortar, ceramics, marble.

Thicknesses

- ≥ 10 mm (finish) / Up to 40 mm (as regrowth)

Finishes

- Smooth, fratted, scratched.

Recommendations

- Application temperatures 5°C at 25°C, measured on the pavement.
- Respect always the same water percentage.
- The percentage of water may vary depending on the mixer used.
- Do not add water to the product once kneaded.
- Respect perimeter joint (min. 5 mm) of expansion and retraction by cutting or decorative.
- Do not apply with direct insolation, strong wind...

Conditions of execution

- The existing support must be resistant and set, clean of dust, paints, oils ...
- On soils with rising humidity, apply before, the vapor barrier **Ecopox Cem plus-3C**.
- On supports without absorption, mill, vacuum and apply a primer pass **system Pavex primer**.
- In all cases, on new concrete (set > 28 days) or old and compression > 20 N /mm² (measured on site), mill the surface layer until the arid appears, vacuum and apply a primer pass **system Pavex primer**.
- On old concretes, mill until the arid appears, suck and reinforce with the **Silicate** lighter.
- Do not apply the micro-concrete on very deteriorated or cracked concretes.
- Do not apply on surfaces that exceed those measured on the pavement 25°C
- Outdoors, do not apply with direct heatstroke, wind, risk of rain or possibility of ice-thaw.

Pavifluid MH®

Fluid micro concrete for renovation of industrial floors

Usage way

- **Kneading:**

By pumping: 14-16% water.

- **Manual kneading:**

1 bag of 25 kg \pm 3.5 liters of clean water, up to obtain a homogeneous mass without lumps.

Let stand and shake before using.

Apply the desired thickness by pumping or manual and smoothing with the appropriate tool.

Once the pavement dry and free of moisture < 4 %, apply 1 - 2 passes of curing liquid **F-300**, **F-250**.

**These times may vary depending on the ambient.*

***Always perform a previous test with the percentage of water to be used later in production.*

Associated products

*Pavex primer system

*Silicate hardener

*Ecopox Cem Plus-3C

*F-300

*F-250



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Color

Pavistamp colors chart
(Others on demand)

Consumption

\pm 2 kg/m² and mm thickness

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

⚠ IMPORTANT

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Pavifluid Radiant®

Fluid and leveling mortar of high thermal conductivity

Based on anhydrite and hydraulic binders, mineral and synthetic additions, it does not require the incorporation of additives.



Product

- Thicknesses of 3 - 8 mm
- Fast thermal response
- Ready to use
- Pumpable
- Retraction compensated
- High mechanical resistance

Observations

Not apply:

- Wet floors subject to continuous humidity lifts.
- As a support for paints or coatings based on epoxy or polyurethane resins.
- With more water than recommended.
- Surfaces that exceed 25°C (measured on the pavement to be made).
- With direct insolation, air currents, temperatures below 5°C.

Characteristics

- Mix life: ± 30 minutes
- Dry to the touch: 2 - 3 hours
- Time to coat:
 - ** With ceramic: ± 2 days per cm of thickness
 - ** With Linoleum, PVC, and parquet: ± 3 days, per cm of thickness
- Thicknesses: minimum 3 cm / maximum 8 cm

** These times are contemplated at 20°C and they can considerably oscillate depending on the ambient temperature.*

Performances (5 cm y 18% of water)

- Final performance:
 - Tensile strength (28 days) < 1.5 mm / m
 - Adhesion to concrete > 1.5 MPa
- Flexural tensile strength (UNE-EN 12190):
 - At 7 days: ≥ 1.7 N / mm²
 - At 15 days: ≥ 2.3 N / mm²
 - At 28 days: ≥ 3 N / mm²
- Compressive strength (UNE-EN 12190):
 - At 7 days: ≥ 25 N / mm²
 - At 15 days: ≥ 30 N / mm²
 - At 28 days: ≥ 35 N / mm²
- Reaction to fire (EN 13501-1) Class A1fl
- Thermal conductivity: 1.5 - 1.7 W / mK
- Cured material pH: 10 ± 1

*** These results are from standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- Fluid leveling mortar with high temperature transmission, with high thermal conductivity for radiant heating systems, favoring energy transmission and quickly reducing the time to reach the desired temperature for thermal comfort in the room.
- New construction and rehabilitation.
- Indoor.

Supports

- All kinds of radiant heating systems (water pipe...)
- Thicknesses between 3-8 cm.

Finishes

- To be covered with **Pavistamp floor design**, ceramic, PVC, linoleum, vinyl, carpet, flooring, wood...

Recommendations

- Application temperatures from 5°C to 35°C.
- Do not add any additive to the mortar.
- Always respect the same percentage of water.
- Respect the minimum thickness required.
- For thicknesses greater than 4 cm, the use of reinforcing mesh is necessary.
- Incorrect placement of the radiant system and its insulation can cause cracks in the coating.
- The final thickness of the coating will depend on the existing radiant system, to guarantee its benefits, the total minimum thickness of 3 cm and 1 cm above the tube must always remain if it is by hot water.

Execution conditions

- The support must be solid and prepared to receive this type of screed.
- The mortar can be applied by means of a pumping machine or by traditional means (concrete mixer or electric mixer).
- During pouring, it is important to avoid drafts and direct insolation, and at least 48 hours after the applied mortar.
- Keep the application area well-conditioned to promote drying of the product.
- In the case of high thickness, it must be pumped in sections, depending on the capacity of the mixing pump and the thickness required. The largest areas can be divided by delimiters. In case of very high thicknesses, it is advisable to delimit cuts every approx. 50-60 m².
- Do not start the radiant heating system until at least 4 days after pouring, the start-up must be done progressively in both rising and falling temperatures.

Pavifluid Radiant®

Fluid and leveling mortar of high thermal conductivity

Usage way

- **Kneading with pumping:**

18% water.

- **Manual kneading:**

A 25 kg sack with $\pm 4,5$ clean water liters until obtaining a homogenous mass without lumps.

Apply the desired thickness and if necessary smooth with a leveling trowel.

If necessary, pass the spiked roller to remove trapped air.

** Always carry out a preliminary test with the percentage of water to be used later in production.*

Associated products

*The usual ones for under floor heating.



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Colors

Gray

Consumption

$\pm 1,8$ kg/m² and mm thickness

Consumption

In original closed container, and sheltered from outdoor and humidity: 9 months

Important

Always respect the safety and health regulations at work, which appear in the safety data sheet (SDS) of this product.

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Pavistamp®

Colored mortar for floor renovation and decoration

Cement, siliceous dust, quartz, mineral pigments and additives.



Product

- High resistance mortar
- Excellent frost-thaw behavior
- Road traffic and pedestrian traffic
- Decorative finishes

Observations

- The waiting times for application can oscillate depending on the temperature, humidity and concrete kind.
- Protect all the easily stained zones with **Protector Pavistamp** (chests, kerbs, skirting...)
- With hot weather or wind use the superficial retarder **Bryten CH** to control quick humidity evaporation on the fresh concrete surface so that enables a perfect union between the mortar and concrete, avoiding the superficial fissures appearance.

Characteristics

- Application of **Pavistamp** by dusting in 2 passes on fresh concrete.
- The mortar must be completely integrated on the fresh concrete.
- Avoid soaking the concrete with water.
- In the cold weather time, accelerate the concrete setting process with **Hormidur- SC**.
- After the first 24 hours approx. cut the expansion joints.

Performances (5-7 kg/m2)

- Compression resistance: ≥ 60 N/mm²
- Bending resistance: ≥ 7 N/mm²
- BÖHME wear: ≤ 17 cm³ / 50 cm²
- Abrasion wear: ≤ 21 mm
- Sliding UNE-ENV 12633: USRV-36 Class 2
- Freezing: Not freezing
- Behavior against fire: A1 euroclass
- Designation EN 13813: CT-C60-F7-A21

** These results are from standard essays, and they can oscillate depending on the workplace conditions.*

Enforcements

- High resistance colored mortar, which is applied on fresh concrete and allows the molding of concrete offering a rolling layer of excellent hardness and durability.
- For traditional pavement decoration (cobble, wood...)
- Especially indicated for urban pavements, housing, parking, theme parks...

Support

- On fresh concrete.

Finishes

- More than 70 models.
- Others on demand.
- Stamping, smooth, striped and troweled.

Recommendations

- Application temperatures 5°C to 35°C.
- In light tones, avoid applying on fresh concrete with rising water that exceeds the capillarity, regardless of the increase in consumption (3-4 kg / m²), it can also lead to loss of color and resistance, once it is dry.
- Do not add water to the product once it has been applied over the fresh concrete.
- Avoid application over concretes with additives excess.
- Do not apply with direct insolation.

Execution conditions

- The base is properly compacted, and it has obtained the approval from the Project management team to receive the concrete.
- The site management team or the property will always decide concrete thickness.
- The concrete will be manufactured in an authorized plant and will be transported in concrete mixer trucks within the next 30 minutes, it will have a cone of fall of 6.5 to 8 cm, to avoid the increase of slag and the segregation of granules
- Avoid concretes with additives excess, these hinder the capillarity water rising stopping the adherence between concrete and mortar.
- Outdoors, do not apply with direct insolation, wind, rain risk or frost-thaw possibility.

Pavistamp®

Colored mortar for floor renovation and decoration

Usage way

1. In the following minutes to the concrete regularization, the concrete gets smooth allowing the water to rise by capillarity and it secures a perfect adhesion between concrete and mortar.
2. Application the product **Pavistamp** in 2 pass (recommended 5-7 kg/m²) and depending on the color.
3. Manual smoothing securing a perfect product adhesion with the concrete.

With the concrete in plastic state apply the **Despi** that acts as a release agent and aging of the pavement.

In the setting process, it is textured with the molds chosen.

After 48-72 hours, remove the **Despi** with pressurized water and with the floor without water, apply 1-2 passages of sealing resin:

- * **Racly 2** with humidity: < 4 %.
- * **F-250** (bright) water base (without ponded water).
- * **F-300** water base (without ponded water).

Associated products

- *Despi
- *Racly 2
- *F-300
- *F-250
- *Bryten-CH
- *Hormidur-SC
- *Protector Pavistamp



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Colors

20 colors chart

Consumption

5-7 kg/m² and depending on the color

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

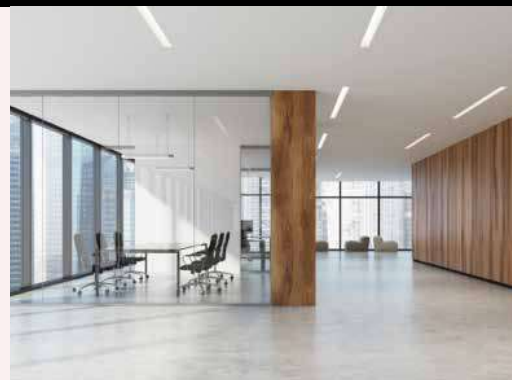
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Pavistamp Floor Design®

High decoration self-leveling

Cement, reconstituted stone, quartz sands, fibers, mineral additives.



Product

- For high decoration.
- Very fast start-up.
- Thicknesses of 3-12 mm, in all points.
- Range of colors.
- In interiors.

Observations

Do not apply:

- On exterior floors.
- With humidity > 85%.
- On wet floors subject to continuous lifts of humidity.
- On degraded soils, fragile or unstable.
- Underfloor heating in service;
 - *Stop: 24 hours before doing the work.
 - *Start-up: 21 days after finishing work,
 - *Following the commissioning protocol.
- On lime-based mortars (calcium sulphate).

Characteristics

- Kneading time: 2-3 minutes
- Resting time before application: 2 minutes
- Dough life : 25-30 minutes
- Start of setting: ± 45 minutes
- Dry to touch: 4-5 hours (20°C)
- Walkable (pedestrian): > 8 hours
- Time to seal, with polyurethane resins: > 7 days and humidity < 4%.
- Tiling, carpet, parquet: < 4% humidity.
- Solvent-based resins: > 7 days and humidity < 4 %.

**These results are contemplated at 20°C and may vary considerably depending on the ambient temperature.*

Performances (10 mm)

- Mixing water (in the laboratory): 20%
- Recommended thickness: 3-12 mm
- Resistance to bending (28 days): ≥ 8 N / mm²
- Compressive strength (28 days): ≥ 30 N / mm²
- Wear UNE-EN 13748-1: ≤ 21 mm
- Adhesion on concrete: ≥ 1 N / mm²
- Adhesion on ceramic support: ≥ 0.90 N / mm²
- Resistance to impact, UNE-EN 12633;
 - ** Fall height: > 1500 mm
 - ** IR Value: IR = 14.7 N m
- Fire behavior: A1 euroclass
- Designation: EN 13813: CT- C30- F8- A21

*** These results are from standard tests and may vary depending on the conditions of work.*

Enforcements

- Colored self-leveling mortar for the decoration of interior floors in new construction or rehabilitation.
- For floors where a high level of flatness is required.
- Light and moderate heavy traffic.
- It can be coated with epoxy, polyurethane coatings...
- In interiors.

Support

- Concrete or mortar, with compressive strength >25 N/mm².
- On substrates with humidity <4%.

Finishes

- **Orfapol-50, Orfapol colorless, epoxy resins.**

Recommendations

- Application temperatures 10°C to 30°C.
- The percentage of water may vary according to the mixer used.
- Always respect the same percentage of water during mixing.
- Do not incorporate any additive to the mortar.
- Respect the minimum thicknesses required according to the type of substrate.
- Respect, perimeter joint (min. 5 mm), expansion and fractionation joints.
- Do not apply in direct sunlight and air currents.

Conditions of execution

- The support must be solid and hard, dry, free of dust, disintegrated areas, paints, oils...
- Do not apply on cracked concrete, degraded or with possibility of movements...
- In all cases, on new concrete (hardened >28 days) or old concrete with a compressive strength >25 N/mm², mill the surface layer until the aggregate appears, vacuum and apply the **Pavex primer system**.
- On supports without absorption (marble, granite...), mill, vacuum and apply the **Pavex primer system**.
- On weak cementitious bases without guarantees, mill until the aggregate appears, vacuum and reinforce with **Silicate** hardener, until the desired resistance is obtained.
- If necessary, before pouring, apply 1-2 coats of quick primer **F-300**.
- Respect the expansion joints, working joints, by cutting or placing a profile.
- Avoid direct sunlight and drafts during and 72 hours after application.

Pavistamp Floor Design®

High decoration self-leveling

Usage way

- **Kneading and transport by pumping:**

20-22 % of water.

(During pouring, place a mesh at the end of the hose to prevent lumps).

- **Manual kneading:**

1 sack (25 kg) with 5-5.5 liters of water, until obtaining a homogeneous mass without lumps.

Once kneaded and before pouring, pass the product through a sieve or similar and thus avoid the presence of lumps.

If it is necessary to use the barbed roller to eliminate the air occluded in the dough and get a better leveling.

If required, after drying proceed to sanding and vacuuming the entire surface to eliminate possible slurries and ensure adhesion of the final coating.

*** Important:** Always perform a preliminary test with the percentage of water to be use subsequently in production.

Associated products

- * Pavex primer system
- * Silicate
- * Orfapol colorless
- * Orfapol-50
- * Epoxy resin



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Colors

56 color chart
(others on demand)

Consumption

16-18 kg/m² and cm thickness

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

! IMPORTANT

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Pavistamp Floor®

Colored and decorative self-leveling mortar

Cement, reconstituted stone, quartz sands, fibers, mineral additives.



Product

- For industrial use
- Commissioning very fast
- Thicknesses from 3 - 15 mm, in each point.
- Colors chart
- Indoors

Observations

Do not apply:

- In outdoor floors.
- With ambient humidity >85%.
- Over wet floors subjected to continuous humidity rising.
- Underfloor heating in service:
 - *Stop: 24 hours before doing the work.
 - *Start-up: 21 days after finishing work, following the commissioning protocol.
- Over lime base mortars (calcium sulfate).

Characteristics

- Kneading time: 2-3 minutes
- Let rest: 2 minutes
- Mixture life: 25-30 minutes
- Start of setting: ±45 minutes
- Dry the touch: 4-5 hours (20°C)
- Passable (pedestrian): > 8 hours
- Time to seal: **F-300, water epoxy**: ≥24 hours
- Time for seal: **Orfapol 50, epoxy resins 100% solids**: > 7 days and humidity < 4%.
- Tiling, carpet, parquet: < 4 % humidity
- Solvent base resins from 7 days on with humidity < 4 %.

**These results are contemplated at 20°C, and they can considerably oscillate depending on the ambient temperature.*

Performances (10 mm)

- Kneading water (in laboratory): 20 %
- Bending resistance (28 days): ≥8 N/mm²
- Compression resistance (28 days): ≥30 N/mm²
- Wastage UNE-EN 13748-1: ≤21 mm
- Adherence over concrete: ≥1 N/mm²
- Adherence over ceramic support: ≥0,9 N/mm²
- Impact resistance, UNE-EN 12633;
 - **Drop height: >1500 mm
 - **IR value: IR=14.7 N-m
- Behavior against fire: A1 euroclass
- Designation: EN 13813: CT- C30- F8- A21

** These results are from standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- Colored self-leveling mortar for indoors floors reparation, leveling and decoration in new construction or rehabilitation.
- For floors requiring a high planimetry.
- Light traffic and moderated heavy traffic
- Ideal to be covered with micro cement, epoxy coatings, polyurethane.
- Indoors

Supports

- Concrete or mortar with compression resistance >25 N/mm²
- Over supports with humidity <4%.

Thicknesses

- Advisable 3-15 mm, in each point.

Finishes

- **Epoxy, F-300, Orfapol-50**, micro cement, **F-250**.

Recommendations

- Application temperatures 10°C to 30°C.
- The percentage of water may vary according to the mixer used.
- Always respect the same percentage of water during mixing.
- Do not add any additive to the mortar.
- Respect the minimum thicknesses required according to the type of substrate.
- Respect the perimeter joint (min. 5 mm), expansion and fractionation joints.
- Do not apply in direct sunlight and air currents.

Execution conditions

- The support must be solid, hard, dry, without dust, disintegrated zones, paintings, oils...
- Do not apply over fissured, degrading or with movement possibility concretes ...
- In all cases, on new concrete (set> 28 days) or old and compression> 25 N / mm², mill the surface layer until the aggregate appears and apply the **Pavex primer system**.
- On supports without absorption (marble, granite ...), mill, vacuum and apply the **Pavex primer system**.
- On weak cementitious bases and without guarantees, mill until the aggregate appears vacuum and reinforce with Silicate hardener until obtaining the desired resistance.
- If necessary, before pouring apply 1-2 passes of primer **F-300**.
- Respect the expansion joints, work, by cutting or placement of profile.
- Mandatory avoid direct sunlight and drafts during and 72 hours after application.

Pavistamp Floor®

Colored and decorative self-leveling mortar

Usage way

- **Kneading and transport with pumping:**

20-22 % water.

- **Manual kneading:**

A (25 kg) sack with 5 - 5,5 water liters, until obtaining a homogeneous-mass without lumps. Let stand and knead.

If necessary, use the spiked roll to eliminate the occluded air in the mass and obtain a better levelling.

If required, after the drying takes place the sanding and vacuuming to eliminate possible grouts and guarantee the final coating adherence.

** Always perform a previous essay with the water percentage to be used in the production afterwards.*

Associated products

*Silicate hardener

*Pavex primer system

*F-250

*F-300

*Micro cement

*Orfapol-50

*Epoxy



Packaging

25 kg sack

1200 kg Pallet (48 sacks)

Colors

Pavistamp color chart
(others on demand)

Consumption

16-18 kg/m² and cm thickness

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

⚠ IMPORTANT

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Pavistamp Floor-HD®

Colored self-leveling mortar resistant to salts

Cement, reconstituted stone, quartz sands, fibers, mineral additives.



Product

- Excellent behavior to freeze-thaw deglazing with salts.
- High resistance mortar.
- Road and pedestrian traffic.
- Decorative finishes.

Observations

Do not apply

- On exterior floors.
- With ambient humidity >85%.
- On wet soils subject to continuous humidity rises.
- On degraded, fragile or unstable floors.
- On underfloor heating in service (stop heating 24 hours before and start up at least 21 days after completion of the work, gradually following the start-up protocol).
- On lime-based mortars (calcium sulphate).

Characteristics

- Kneading time: 2-3 minutes
- Resting time before application: 2 minutes
- Dough life : 25-30 minutes
- Start of setting: ±45 minutes
- Dry to touch: 4-5 hours
- Walkable (pedestrian): > 8 hours
- Time to seal **F-300, F-250, Water repellent 6772**: >24 hours and humidity <4%.
- Tiling, carpet, parquet: < 4 % humidity.

**These results are contemplated at 20°C and may vary considerably depending on the ambient temperature.*

Performances (10 mm)

- Mixing water (in laboratory): 20 %.
- Flexural strength (28 days): ≥8 N/mm²
- Compressive strength (28 days): ≥ 30 N/mm²
- Wear resistance: ≤21 mm
- Adhesion to concrete : ≥1 N/mm²
- Adhesion on ceramic substrate: ≥0.9 N/mm²
- Impact resistance, UNE-EN 12633;
 - **Falling height: >1500 mm
 - **IR value: IR=14,7 N-m
- Fire behavior: A1 euroclass A1 euroclass.
- Designation: EN 13813: CT- C40- F10- A22

** Estos resultados son de ensayos estándar y pueden variar en función de las condiciones de puesta en obra.*

Enforcements

- Colored self-leveling mortar resistant to salts, for the repair, leveling and decoration of interior floors in new construction or rehabilitation.
- For floors where high flatness is required.
- Light and moderate heavy traffic.
- Suitable to be coated with epoxy resins, water-based...
- In interiors.

Supports

- Concrete or mortar, with compressive strength >25 N/mm².
- On substrates with humidity <4%.

Thickness

- Recommended 3-15 mm, at all points.

Finishes

- **Water repellent-6772, F-300, F-250...**

Enforcement tips

- Application temperatures 10°C to 30°C.
- The percentage of water may vary according to the mixer used.
- Always respect the same percentage of water during mixing.
- Do not incorporate any additive to the mortar.
- Respect the minimum thicknesses required according to the type of substrate.
- Respect, perimeter joint (min. 5 mm), expansion and fractionation joints.
- Do not apply in direct sunlight and air currents.

Execution conditions

- The support must be solid and hard, dry, free of dust, disintegrated areas, paints, oils...
- Do not apply on cracked concrete, degraded or with possibility of movements...
- On supports without absorption (marble, granite...), mill, vacuum and apply the **Pavex primer system**.
- In all cases, on new concrete (hardened >28 days) or old concrete with a compressive strength >25 N/mm², mill the surface layer until the aggregate appears and apply the **Pavex primer system**.
- On weak cementitious bases and without guarantees, mill until the aggregate appears, vacuum and reinforce with **Silicate** hardener, until the desired hardness is achieved.
- Respect the dilatation joints, of work, by means of cut or placement of profile.
- Avoid direct sunlight and air currents during and 72 hours after application.

Pavistamp Floor-HD®

Colored self-leveling mortar
resistant to salts

Usage way

- **Amasado y transporte por bombeo:**

20-22 % de agua.

- **Amasado manual:**

1 saco de 25 kg con 5 - 5,5 litros de agua, hasta obtener una masa homogénea y sin grumos. Dejar reposar y reamasar.

Si es necesario utilizar el rodillo de púas para eliminar el aire ocluido en la masa y conseguir una mejor nivelación.

En caso de que se requiera, tras el secado se procede al lijado y aspirado de toda la superficie para eliminar posibles lechadas y garantizar la adherencia del revestimiento final.

** Siempre realizar un ensayo previo con el porcentaje de agua que se va a utilizar posteriormente en producción.*

Associated products

*Pavex primer system

*Silicate hardener

*Water repellent-6772

*F-250

*F-300



Packaging

25 kg paper sacks
1200 kg Pallet (48 sacks)

Colors

Pavistamp color chart

Consumption

16-18 kg/m² and cm thickness

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

⚠ IMPORTANT

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Pavistamp HD®

Colored mortar for the decoration of soils and resistant to salts

Cement, siliceous dust, quartz, mineral pigments and additives.



Product

- Excellent frost-thaw behavior deglazed with salts.
- High resistance mortar.
- Road traffic and pedestrian traffic.
- Decorative finishes.

Observations

- The waiting times for application can oscillate depending on the temperature, humidity and concrete kind.
- Protect all the easily stained zones with **Protector Pavistamp** (chests, kerbs, skirting...)
- With hot weather or wind use the superficial retarder **Bryten CH** to control quick humidity evaporation on the fresh concrete surface so that enables a perfect union between the mortar and concrete, avoiding the superficial fissures appearance.

Characteristics

- Application of **Pavistamp HD** by sprinkling in 2 passes, on the fresh concrete.
- The mortar must be totally integrated on the fresh concrete.
- Avoid wetting the concrete with water.
- In winter time accelerate the setting of the concrete with **Hormidur-SC**.
- After the first 24 hours approx. open expansion joints.

Performances (5-7 kg/m²)

- Frost-thaw with salts UNE-EN 1339/ UNE-EN 13748-2: 0,13 kg/m²
- Bending resistance: ≥ 7 N/mm²
- Compression resistance: ≥ 60 N/mm²
- BÖHME wear : ≤ 17 cm³ / 50 cm²
- Abrasion wear : ≤ 21 mm
- Sliding UNE-ENV 12633: USRV-36 Class 2
- Swimming pool test classification: UA Class
- Behavior against fire: A1 euroclass
- Designation EN 13813: CT-C60-F7-A21

** These results are from standard essays, and they can oscillate depending on the workplace conditions.*

Enforcements

- Colored mortar of high resistance to ice-thaw with salts, which is applied on fresh concrete and allows the molding of concrete offering a rolling layer of excellent hardness and durability.
- For traditional pavement decoration (cobble, wood...).
- Especially indicated for urban pavements, housing, parking, theme parks...

Supports

- On fresh concrete.

Finishes

- More than 70 models.
- Others on demand.
- Stampeed, smooth, striped and troweled.

Recommendations

- Application temperatures 5°C to 25°C, measured on the pavement.
- In light tones, avoid applying on fresh concrete with rising water that exceeds the capillarity, regardless of the increase in consumption (3-4 kg / m²), it can also lead to loss of color and resistance, once it is dry.
- Do not add water to the product once the mortar has been applied to the fresh concrete.
- Avoid application over concretes with additives excess.
- Do not apply with direct insolation.

Execution conditions

- The base is properly compacted, and it has obtained the approval from the project management team to receive the concrete.
- The site management team or the property will always decide concrete thickness.
- The concrete will be manufactured in an authorized plant and will be transported in concrete mixer trucks within the next 30 minutes, it will have a cone of fall of 6.5 to 8 cm, to avoid the increase of slag and the segregation of granules.
- Avoid concretes with additives excess, these hinder the capillarity water rising stopping the adherence between concrete and mortar.
- Outdoors, do not apply with direct insolation, wind, rain risk or frost-thaw possibility.

Pavistamp HD®

Colored mortar for the decoration of soils and resistant to salts

Usage way

1. In the following minutes to the concrete regularization, this is smoothed smooth allowing the water to rise by capillarity and it secures a perfect adhesion between concrete and mortar.
2. Application the product **Pavistamp-HD** in 2 pass (recommended 5-7 kg/m²) and depending on the color.
3. Manual smoothing securing a perfect product adhesion with the concrete.

With the concrete in plastic state apply the **Despi** that acts as a release agent and aging of the pavement.

In the setting process, it is textured with the molds chosen.

After 48-72 hours, remove the **Despi** with pressurized water and with the floor without water, apply 1-2 passages of sealing resin:

* **F-250** (bright) water base (without ponded water).

* **F-300** water base (without ponded water).

Associated products

*Despi

*F-250

*F-300

*Bryten- CH

*Hormidur-SC

*Protector Pavistamp



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Colors

20 colors chart

Consumption

5-7 kg/m² and depending on the color
(recommended thickness 4 mm)

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

! IMPORTANT

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Racly-2

Resin for protection of concrete pavements

Acrylic copolymer in solution for concrete pavements treatment and protection and road signs.



Product

- Cured of resin for concrete pavements
- Highlights the color
- Ideal for maintenance
- Frost-thaw resistant

Characteristics

- Acrylic thermoplastic emulsion with a drying process purely physical.
- Its main application field is the seal and concrete pavement covering.
- Stamping or smooth concrete.
- To highlight colors on the floors.
- Indoors and outdoors.

Performances

- Solid substance: 60 ± 2
- Color Index: ≤ 2
- Viscosity: 6000 – 12000 cps.

Important

- Do not apply with temperature superior to 25°C.
- Avoid application with direct insolation.
- Do not apply with overloads, since it is a solvent based resin and could alter the drying reaction causing a slight change to a yellowish hue, but in any case, – it would not lose the initial properties.

Recommendations

- Over cement bases: <4 % humidity.
- It is delivered ready to use.
- Do not add any additive to the resin.
- Indoors application with good ventilation.
- During the application use gloves, mask and security glasses.
- Do not apply with rain or frost risk, humidity or direct insolation.
- Application temperatures from 10-25°C (measured over the pavement).
- It can be used with the time for any kind of concrete floor conservation and maintenance. It does not matter if it is smooth, decorated or stamping.

Racly-2

Resin for protection of concrete pavements

Usage way

The surface to be treated has to be dry, without dust and humidity < 4 %.

Application without overloading in 2 coats with roller, airless...

Dried tho touch: ±2 hours

Passable: ≥24 hours

Road traffic: ≥ 48 hours (depending on climatology)

** These times are contemplated at 20°C, and they can oscillate depending on the ambient temperature.*

Associated products

*Concrete and mortar



Packing

20 liters drum

480 liters pallet (24 drum)

Colors

Colorless

Consumption

0,15 / 0,2 l/m2

1 pass depending on absorption

Aspect

Half bright

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

! IMPORTANT

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Resipav garden

Acrylic resin for the union of stones

Single-component acrylic resin, free of solvents and charges.



Product

- Does not yellow
- Continuous colored flooring
- Low water absorption
- Ideal for gardens and tree pits
- Color gamut

Observations

- Do not incorporate water or any additives into the mixture.
- Treat singular areas (fissures) with the appropriate mesh.
- The drying time will vary depending on the ambient temperature and existing humidity.
- Do not apply with risk of rain, frost, significant changes in temperatures, direct insolation, strong wind ...
- Always have tarpaulins in case of emergency (rain, ice, extreme temperatures ...) protect the pavement and not lose the benefits.
- On existing concrete base: consult.

Characteristics

- Application temperature measured on the ground: 10 – 35°C
- Mix life (20°C): 1 – 2 hours
- Minimum thickness: ±3 cm
- Drying to the touch: >24 hours
- Total drying: ±96 hours (20°C)
- Time put into service (20°C): >7 days

***These times are set at 20°C and may vary depending on the ambient temperature.*

Associated products

- Pavimper 2C
- Arid
- F-250

Applications

- Fixative and binder in mass, for the union of crushed aggregates.
- Low water absorption.
- Avoid waterlogged water.
- Tree pits and garden floors
- No maintenance.
- It does not yellow.

Supports

- Concrete, compacted earth...

Finishes

- Arid seen.

Recommendations

- Application temperatures 10°C to 35°C.
- Minimum thickness: 3 cm
- Always respect the same percentage of liquid during mixing.
- Do not add water to the product.
- Respect the expansion, perimeter, and retraction joints.
- Provide the appropriate slopes for the evacuation of water.
- Mixing system: with concrete mixer.
- Cleaning utensils: clean water.

Execution conditions

- On soil with topsoil partially eliminated, leveled, and eventually consolidated, sanitized by drainage with an anti-pollution layer complying with the compacting required by the facultative or work management.
- The existing support must be resistant, healthy, free of dust, paints, oils...
- In the case of applying on new concrete, it must be completely set (≥28 days) and with the appropriate slopes for the evacuation of water.

Resipav garden

Acrylic resin for the union of stones

How to use

Add to the concrete mixer the aggregate (dry and clean) and the resin for its correct mixing, for at least 10 minutes.

Granulometry

Dosage:

2 - 6 mm	3.5 – 4.5 %
4 - 12 mm	3 - 4 %
10 - 25 mm	3 %

Example dosage:

Aggregate 5 – 9 mm = 3/4 kg Of Resin + 100 kg of aggregate.

Once the dough has been poured on the pavement, smooth manually with the appropriate trowel or with a fratasar machine.



Once the pavement is finished and dry (≥ 7 days at 20°C), apply 1 pass of **F-250** curing resin.

Before using the product, it is recommended to carry out a real test on site and check if the performance and finish are really as expected.

Single Component System	Performances
% Aggregate: Resin by volume	95:5
Wetting of the aggregate	Good
Drying at room temperature 15°C	>48 h.
Cured at room temperature 15°C	± 10 days
Flexural strength 12 days	$\geq 1,5$ Mpa
Compressive strength 28 days	≥ 6 Mpa
Resistance to the outside	Good
Thermal Shock	Breakage



IVORY



PINK



GRAY



STREAKED GRAY



WHITE



YELLOW



GREEN



ALICANTE RED



WOOD



RIVER ARID

! IMPORTANT

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Packaging

Cube: 14 kg
Aggregate: 30 kg bag

Color

Color chart

Consumption (approx)

Liquid: 0.6 / 0.8 kg/m² 1cm thick
Arid: 15 / 20 kg/m² and 1 cm thick

Conservation

Original container closed, sheltered from the weather and humidity: 1 year

Maintenance

At least once a year, clean with pressurized water and without waterlogged water apply 1-2 **F-250** resin-to-water passes.

Stencil Mortar

Fluid concrete coloured with siliceous aggregates

Ciment, aggregates of siliceous aggregates, fibres, organic and mineral additives.



Product

- Public and private works
- Thicknesses > 3 mm
- Very fast commissioning
- Color gamut

Observations

*Do not apply:

- On supports with humidity >4%.
- With ambient humidity >85%
- On wet soils subject to continuous moisture lifts.
- In degraded, fragile or unstable soils.
- On underfloor heating in service stop the heating 24 hours before and start up after at least 21 days after the work is finished, gradually following the start-up protocol.
- On mortars based on calcium sulfate or lime base.

Employment characteristics

- Kneading and pumped transport.
- Mass life: 10-20 minutes.
- Start of setting: 45 minutes.
- Drying to the touch: 5 to 7 hours.
- Walkable (pedestrian): > 8 hours.
- Dry polishing time: >4 days.
- The percentage of water may vary depending on the mixer used.

**These results are contemplated at 20°C and can vary considerably depending on the ambient temperature.*

Performances

- Kneading water (in laboratory): 12-16%
- Bending strength: > 5 N/mm²
- Compressive strength: > 40 N/mm²
- Wear UNE-EN 13892-4: 10 cm³ / 50 cm²
- Slip resistance according to CTE: Class 2-3
- Adhesion on concrete: > 1.1 N/mm²
- Adhesion on non-absorbent support with junction bridge: > 0.9 N/mm²
- Impact resistance, UNE-EN 12633;
 - **Drop height: >1500 mm
 - **IR value: IR=14.7 N·m
- Fire behaviour: A1 Euroclass

** These results are standard tests and may vary depending on the conditions of commissioning.*

Applications

- Concrete based on siliceous aggregates... for the formation of continuous soils, in new construction or rehabilitation.
- Public works, supermarkets, hotels, private works...
- Renovation of industrial floors.
- Moderate light and heavy traffic.
- Indoors and outdoors

Supports

- Fresh concrete, mortars and existing and forged concretes, of high compressive strength (> 25 N/mm²).
- On supports with humidity <4%.

Thicknesses

- Recommended >3 mm at all points.

Finishing

- Decorative, textured...

Application recommendations

- Application temperatures 10°C to 30°C.
- The percentage of water may vary depending on the mixer used.
- Always respect the same time and percentage of water during kneading.
- Do not add any additive to the concrete.
- Respect the minimum thicknesses required according to the type of support.
- Respect the perimeter joint (min. 5 mm), expansion (16-20 m²) and fractionation.

Conditions of execution

- The support must be solid and hard, dry, free of dust, disintegrated areas, paints, oils ...
- On fresh concrete, before pouring, apply 1-2 passes of **F-300** quick primer.
- Do not apply on cracked concrete, degraded or with the possibility of movements...
- On supports without absorption (marble, granite ...), mill, vacuum and apply **Pavex 2C primer** or **F-300**.
- In all cases, on concrete (set >28 days) or old and compression > 25 N / mm², mill the surface layer until the aggregate appears, vacuum and reinforce with hardening **Silicate**.
- Respect the expansion joints, work, by cutting or placing profile (maximum cloths, 16-20 m²).
- Avoid direct heat stroke, drafts, during and 72 hours after application.

Stencil Mortar

Fluid concrete coloured
with siliceous aggregates

How to use



- Kneading water: 12-16 %
- 1 bag of 25 kg: 3 - 4 liters.



***The dosage can vary considerably depending on the intensity of the chosen color and granulometry of the aggregate.*

Application of **F-300** (1:4) as a junction bridge.



Application 1 pass of **Stencil mortar**, to give background color throughout the pavement.



Placement of the texture coil.



Once the pavement is dry, apply: *Water-based resin, **F-250** or **F-300** ≥ at 48h.no waterlogged water.
*Solvent-based resin, **Racly-2** ≥ to 28 days.

***Times may vary depending on the ambient temperature.*

*****ALWAYS** carry out previous test with the percentage of water that will be used later in production.

Associated products

- *Pavex 2C primer
- *F-300 / F-250
- *Racly-2
- *Silicate



Packaging

Paper sacks of anti-humidity 25 kg
Pallets (48 bags)1200 kg

Colors

Range of 20 colors
Others on demand

Consumption

16 – 18 kg/m² and cm thick

Conservation

From the date of manufacture, in original closed container,
sheltered from the weather and humidity: 1 year

! IMPORTANT

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Covering Acrylic-Epoxy

Coat your substrates with epoxy resin floorings. **They guarantee a continuous surface that is easy to clean, with excellent mechanical properties and resistance to corrosion.** Get it from the use of different types of systems, finishes and qualities.

Epoxy resin is one to two times stronger than concrete, crack-free and waterproof. The mechanical strength of epoxy resin can be increased by adding certain special chemical compounds. In turn, epoxy has a medium resistance to weak acids and a very good resistance to alkalis, UV rays and organic solvents.

They are used in surface treatments of concrete pavements, both smooth and rough, forming a thin anti-skid layer that improves aesthetics and facilitates cleaning, as well as eliminating joints.

They are generally made up of two components that are mixed prior to use: the resins with the catalyst agent that reacts causing the resin to solidify. They are cured at room temperature and it is there that cross-links are formed, which causes their molecular weight to be high.

It is applied on cement-based substrates, which in turn can be based on tiles, asphalt, metal, wood or synthetic resins. Decopox spatula, ideal for repairing interior floors with a decorative effect, is one of the most widely used water-based screeding mortars or semi self-leveling mortars.

Orfapol 50®

Polyurethane water resin

Two components polyurethane resin in water base, with polyisocyanate polymers and additives.



Product

- Excellent adherence.
- Highlights the color.
- Great resistance to abrasion.
- Indoors and outdoors.

Characteristics

- Over a completely clean, dry and without dust and grease base...
- Mixture proportion in parts:
 - **10 parts Component A
 - **1 part Component B
- Application temperatures: 10°C and 25°C.
- Relative humidity: <80%
- Over cement base with humidity < 4 %.
- Mixture life: 2 hours
- Opening time: 40-50 minutes
- Minimum drying time: 2 hours, maximum 24 hours.
- Avoid application with direct insolation, strong wind, rain risk, frost...
- Do not apply **Orfapol-50** with capillary rising humidity possibility.

** These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Density: 1,00 – 1,05 g/ml 25°C
- Flashpoint: Not applicable
- Recommended diluting: Water

Enforcements

- Resin cured in water base for wall and floor protection.
- Waterproof and breathable.
- Excellent color highlighter.
- Does not get stained.
- Facilitate lower dirtiness retention.
- Indoors and outdoors.

Supports

- Concrete, mortar, wood, **Pavistamp floor**, Microcement.

Orfapol 50®

Polyurethane water resin

Usage way

Over a completely clean, dry and without dust and grease base...

With roller, pistol, airless. Sand the surface to facilitate the adhesion.

Spill components **A+B** in the same recipient and mix carefully with mechanical shaker. Let it rest during 10 minutes.

Apply without overloading, waiting at least 45-60 minutes between layers. Avoid a too thick layer as it could delay the final characteristics product development (Through drying and water resistance).

It can be diluted to 100% with water.

Associated products

*Floors and walls



Packing

Silky – Matt: pack (A + B) of 5.5 and 11 kg packages
Bright: pack (A + B) of 5 kg

Colors

Standard: transparent
(others on demand)

Appearance

Silky – Matt – Bright

Consumption

±0.1 kg/m² (5 kg= 50m²) y según soporte

Preservation

12 months from the fabrication date, in the closed original package and sheltered from outdoor and humidity.

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Pavex-2C Autonivelante

Self-leveling epoxy resin 100% solids

Bicomponent epoxy resin of high performance 100% solid and low viscosity.



Product

- 100% solids without solvent.
- High chemical resistance.
- Excellent resistance to intense road traffic from heavy elements.
- Increases the hardness and resistance against abrasion.

Resistance table (continuous immersion)

• Sulfur acid 5%	Resistance	> 300 h.
• Phosphoric acid 90%	Resistance	> 300 h.
• Acetic acid 5%	Resistance	= 50 h.
• Oleic acid 100%	Resistance	> 300 h.
• Bleach 15%	Resistance	= 300 h. (loss color)
• Caustic soda 50%	Resistance	= 300 h. (loss color)
• Washing up	Resistance	> 1 year
• Water immersion	Resistance	> 1 year

Characteristics

- Mixture life: 25 minutes
- Dry to 20°C and relative humidity 70%
 - Dry touch: >180 min
 - Total dry: >12 hours
 - Total polymerization: >7 days

- Cured;

Pedestrian traffic	> 24 hours
Light elements traffic	> 2 days
Forklifts	> 5 days
Total hardening	> 7 days
Final aspect:	porcelain

**These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Composition: Resin Epoxy Two component
- Mixture specific weight: 1,20 Kg/l
- Finish: bright
- Viscosity: 70 – 80 UD / KREBS
- Hardness Persoz: 200-230 sec.
- Abrasion Resistance: 60-70 mg. (1000 cycles)
- Adherence: superior to the concrete cohesion
- Bending: 150 Kg/cm2 ASTM C-293-57T
- Compression: 1000 Kg/cm2 ASTM C-306-55
- Traction: 90 Kg/cm2 ASTM C-190-58

**These results have been obtained with standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- **Epoxy Resin** 100% solids with excellent leveling and porcelain aspect for the stuck protection and waterproofing in industrial floors subjected to heavy road traffic and pedestrian.
- Specially designed for preparation of floors in an alimentary area according to Regulation CE no 852/2004 from 29 April 2004 chapter II "Specifics requirements in the rooms where alimentary products are prepared, treated or transformed".
- It supports industrial waters and seawaters continuous immersion
- Fit to apply in chemical installations, alimentary, refrigeration, wine, meat, milky, pharmacy, canneries and corrosive atmospheres floors.
- Indoors.

Enforcements tips

- Application temperatures from: 10-30°C
- Maximum support humidity: 4%
- Relative support humidity: 70%
- Respect always the same percentage during the mixture.
- Do not add water or any other additive to the mixture.
- Avoid splashes of the product in the eyes and skin.

Execution conditions

- Over surfaces completely dry and without humidity, clean and without greases and other materials.
- Do not apply with humidity superior to 70% and ambient temperature inferior to 10°C.
- Over cement base, its setting must be completed (≥ 28 days).
- It increases the hardness and resistance to abrasion.
- Over smooth surfaces, nonabsorbent, open pore mechanically (abrasive spouted, troweled, abrasive disk) accompanied by a deep aspiration.
- It is essential to secure the support correct primer with the application of **Pavex-2C primer**.

Pavex-2C Autonivelante

Self-leveling epoxy resin
100% solids

Usage ways



Self-leveling application system

Apply a first primer coat **Pavex- 2C primer** at a rate of 2-3 m²/kg. Depending on the support, absorption and its porosity apply additional coats of **Pavex-2C primer** with the purpose of sealing all the support porous. Over very irregular supports, it is advisable a regularization mortar application composed by a part of **Pavex- 2C primer** and 3 parts of **Silica sand** of selected grain size.

2-3 h. after applying the previous layer and when this layer is still mordant, the mass formed by the following is applied with notched trowel:

- 1 part in weight of **Pavex-2C self-leveling** properly mixed components **A+B**.
- 1 part in weight of **Silica sand** of selected grain size.

Apply the mass with notched trowel from 2-6 mm. depending on the required thickness. 5 minutes after, use the spiked roll to eliminate the occluded air.

Mixture instructions Pavex 2C self-leveling:

Shake with a mechanic whisk **Component A**, at the same time spill the content of **Component B** over the **Component A** shaking continuously.

Associated products

- *Pavex-2C primer
- *Silica sand



Packing

30 kg pack (A+B)

Colors

Red, Green, Grey, White.
Other colors consult.

Consumption

±0,5 Kg/m² PAVEX 2C SELF-LEVELING + 0,5 Kg/m²
Silica sand per layer of 1 mm. thickness

**These consumptions can oscillate depending on the support and arid grain size.*

Preservation

12 months from the fabrication date, in the closed original package (20oC) and sheltered from outdoor and humidity.

⚠ IMPORTANT

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Pavex-2C Color

Finish epoxy painting

Finish epoxy painting and high chemical resistance.



Product

- High chemical resistance.
- Seals and waterproofs.
- Increases the hardness and resistance against abrasion.
- Pavements subjected to chemical attacks.

Resistance table

• Dry heat temperature:		130°C
• Wet heat temperature:		75°C
• Saline fog	Resistance	> 1000 hours
• Diluted acids	Resistance	> 1 year
• Diluted alkalis	Resistance	> 1 year
• Marine environment	Resistance	> 3 years
• Industrial environment	Resistance	> 3 years
• Water immersion	Resistance	> 5 years
• Salt water immersion	Resistance	> 5 years
• Resistant		-20°C

Usage characteristics

- Mixture life: 20 minutes
- Dry 20°C and relative humidity 60%
 - Dry touch: 3-4 hours.
 - Total dry: 8-10 hours
 - Total polymerization: 7 days
- Final aspect: porcelain effect
 - It can be diluted with **Diluting epoxy**, 25% the first coat, 5-10% the following.

** These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Composition: Resin Epoxy
- Mixture weight: 1.1 g/cm³
- Aspect/finish: bright
- Viscosity: 70-80 UD / KREBS
- Water absorption: Null

** These results have been obtained with standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- Epoxy covering for pavement and coating protection indoors.
- Protect erosion of pavements subjected to intense traffic.
- Supports the continuous immersion in industrial waters, marine waters...
- Fit in chemical installation, alimentary installations... and industrial vehicles in corrosive atmospheres.
- Indoors.

Supports

- Concrete, metal, construction, naval, wood...

Enforcement tips

- Application temperatures from: 10-30°C
- Maximum relative humidity: 70 %
- Humidity on the support: <4%
- Respect always the same dosage.
- Do not apply over wet floors or subject to possible humidity rising
- Do not add any additive to the mixture.
- In solvent basis
- Avoid splashes of the product in the eyes and skin

Execution conditions

- Over surfaces completely dry and without humidity, clean and without greases and other materials.
- Do not apply with humidity superior to 70% and ambient temperature inferior to 15°C.
- Over cement base, its setting has to be completed (≥28 days) and with humidity on the support lower than 4%.
- Apply with good air renovation
 - Over smooth surfaces, nonabsorbent, open porous by mechanical media (abrasive spouted, troweled, abrasive disk) accompanied by a deep aspiration.
- In order to ensure the adhesion, apply previously a primer coat **Pavex 2C Primer** with support humidity < 4%.

Pavex-2C Color

Finish epoxy painting

Usage way



Mix the components **A + B** with a low revolution whisk until obtaining a perfect homogenizing.

The 2 components mixture has an approximately 20 minutes life time.

Application can be performed with airless, brush, roll...



It can be diluted with **Epoxy diluting**, 25% for the first coat, 5-10% for the following.

Between coats, it has to rest minimum 4 hours and maximum 24 hours. In case of exceeding this maximum, a previous superficial sanding has to be performed.

** In case of appearing a light superficial veil after the drying, it disappears cleaning the surface with water and soap.*

Associated products

*Pavex-2c primer

*Epoxy diluting



Packaging

30 kg pack (A+B)

Colors

Colors on demand

Consumption

5-7 m²/kg per layer (30 – 40 microns)

**These consumptions can oscillate depending on the support*

Preservation

12 months from the fabrication date, in the closed original package (20°C) and sheltered from outdoor and humidity.

⚠ IMPORTANT

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Pavex-2C Flexible

Flexible epoxy resin 100% solids

High performances flexible epoxy resin
100% solids low viscosity.



Product

- 100% solids without solvent
- High chemical resistance
- Excellent anchorage over the concrete
- Increases the hardness and resistance against abrasion.
- Terraces waterproofing subjected to high chemical resistance

Resistances table

• Sulfur acid 2%	Resistance	> 100 h.
• Phosphoric acid 5%	Resistance	> 100 h.
• Citric acid 100%	Resistance	> 100 h.
• Caustic soda 5%	Resistance	> 100 h.
• Pure xylene	Resistance	> 100 h.
• Oil	Resistance	> 1 year
• Gasoline	Resistance	> 1 year
• Industrial environment	Resistance	> 1 year
• Water immersion	Resistance	> 1 year
• Salt water immersion	Resistance	> 1 year

Characteristics

- Mixture life: 25 minutes
- Application with paste, curler or pistol
- Drying to 20°C and relative humidity 70%
 - Dry to the touch: ±90 min.
 - Total dry: ±12 hours
 - Total polymerization: ±7 days
- Final aspect: Resin amber transparent
- Possibility of adding Pangel, Talcum or marble aggregates until obtaining the desired quantity.

**These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Composition: Resin Epoxy Bicomponent
- Mixture specific weight: 0.95 Kg/l
- Aspect finish: bright
- Viscosity: 70-80 U. /KREBS

**These results have been obtained with standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- 100% solid flexible epoxy resin for waterproofing terraces subject to intense, road and pedestrian traffic.
Special for reparation and sanitation of floor cracks.
- For the expansion joint refill subjected to high contractions and expansions.
- It supports the continuous immersion in industrial waters, seawaters...
- Fit in chemical installations, alimentary... and industrial vehicles in corrosive atmospheres.
- Outdoors and indoors.
- **Pavex-2C flexible**, will always be protected with **Aliphatic polyurethane**.

Supports

- Concrete, cements, mortars.

Recommendations

- Application temperatures from: 10-35°C
- Maximum support humidity: 4%
- Relative support humidity: 70%
- Respect always the same percentage during the mixture.
- Do not add water or any other additive to the mixture.
- Avoid splashes of the product in the eyes and skin.

Execution conditions

- Over surfaces completely dry and without humidity, clean and without greases and other materials.
- Do not apply with humidity superior to 70% and ambient temperature inferior to 10°C.
- Over cement base, its setting must be completed (≥ 28 days).
- Open with radial disc in diagonal cuts at 45° and make a deep aspiration before applying.
- Apply before, **Pavex-2C primer** epoxy primer and moisture <4%.
- Over smooth surfaces nonabsorbent, open the pore mechanically means (abrasive spouted, troweled, abrasive disk) accompanied by a deep aspiration.
Pavex-2C flexible cannot be seen.

Pavex-2C Flexible

Resina epoxi flexible 100% sólidos

Usage way



- Mix the components **A + B** with a low revolution whisk until obtaining a perfect homogenizing.
- Vert the resulting mass on the surface to be treated or the

For the repair of joints, granules of **Rubber black SBR** can be incorporated.



Mixture ratio:

- 1 part **Pavex-2C flexible (A+B)** +
- 5 parts **Rubber black SBR**
- Shake until a perfect wetting from all the rubber particles.

1. Apply a **Pavex-2C primer** epoxy primer (moisture <4%).
2. When it is still sticky, apply the mixture from **comp. A and B + Rubber black SBR**.
3. Important: the mixture of resin + rubber does not guarantee traffic with vehicles.

Associated products

*Pavex-2C primer

*Rubber black SBR

*Aliphatic polyurethane



Packaging

Pack A+B: 6.56 kg

Pack A+B: 39,55 kg

Colors

Resin A+B: amber

Other colors consult.

Consumption

Performance for joint of 1 linear meter

(1 cm width x 1 cm height)

±0.4 kg Pavex-2C flexible

±0.8 kg Rubber

**These consumptions can oscillate depending on the support and arid grain size.*

Preservation

In the closed original container (20 °C) and sheltered from outdoors: 1 year.

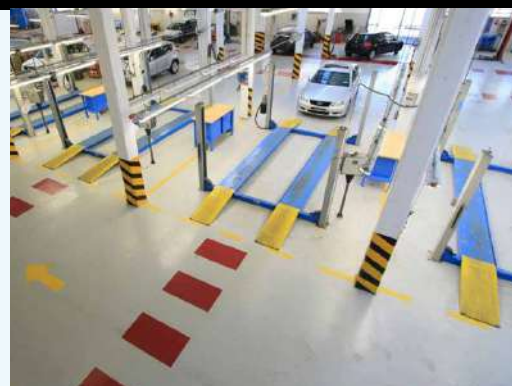
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Pavex-2C Mortero

Epoxy mortar with high performances

Epoxy mortar without solvents for screeds and regularizations over concrete.



Product

- Good chemical resistance
- Good anchorage over the concrete
- Excellent resistance to abrasion
- High resistance to compression
- Extremely hardness superior to any other concrete.

Resistance tables

• Dry heat temperature:		130°C
• Wet heat temperature:		75°C
• Saline fog	Resistance	>1000 hours
• Diluted acids	Resistance	>1 year
• Diluted alkalis	Resistance	>1 year
• Marine environment	Resistance	>3 years
• Industrial environment	Resistance	>3 years
• Water immersion	Resistance	>5 years
• Salt water immersion	Resistance	>5 years
• Resistant		-20°C

Characteristics

- Once the components **A** and **B** are mixed, selected grain size arid will be added in proportion 8 arid parts: 1 Resin part **A+B**.
- Mixture life: 15 minutes
- Drying to 20°C and relative humidity 60%
 - Dry to the touch: ≥60 min.
 - Total dry: 8-12 hours
 - Total polymerization: ≥7 days
- Final aspect: Mortar

**These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Composition: Two component Epoxy Resin + Selected grain size arid.
- Mass density (Resin + arid): 2,4 Kg/l
- Aspect finish: matt
- Viscosity: 70-80 U. /KREBS
- Compression resistance at 7 days as Epoxy mortar (mixture A+B + arid): ≥ 55 N/mm².

**These results have been obtained with standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- 100% solids epoxy mortar for making screeds, multi-layer systems and levelling and regularising potholes and cracks in concrete pavements.
- It gives a non-slip, extremely resistant finish, capable of withstanding the traffic of heavy lorries, combat vehicles, heavy machinery, machinery subjected to strong pressures on the ground, etc.
- Withstands pressures of up to 5,500 kg per m².
- Protects pavements subject to heavy traffic from erosion.
- Withstands continuous immersion in industrial and marine waters...
- In chemical and food installations... and industrial vehicles in corrosive atmospheres.
- In interiors

Supports

- Concrete, cements, mortars, previous preparation.

Recommendations

- Application temperatures from: 15 – 25 °C.
- Respect always the same dosage.
- Do not apply over wet floors or subject to possible humidity rising.
- Do not add any additive to the mixture.
- Avoid splashes of the product in the eyes and skin.

Execution conditions

- Over surfaces completely dry and without humidity, clean and without greases or other materials.
- Do not apply with humidity relative superior to 85% and an ambient temperature lower than 15°C.
- Support maximum humidity 4%.
- Apply with good air renovation, 100% solids without solvent.
- Over cement base with complete setting (≥ 28 days).
- Over smooth surfaces, nonabsorbent, open the pore by mechanical means (abrasive spouted, troweled, abrasive disk) accompanied by a deep aspiration.
- To ensure the adhesion, apply previously a primer coat **Pavex-2C primer** with support humidity <4%
- It increases the hardness and resistance in front of abrasion.

Pavex-2C Mortero

Epoxy mortar with high performances

Usage way



Mix up components **A + B** with a low revolution whisk until obtaining a perfect homogenize.

Add the selected of the arid size in the proportion:

1 part of Resin (A+B) + (until) 8/9 parts (depending on grain size) of selected arid.

Shake the resulting until obtaining a homogeneous mass (Possibility or performing mixture with a concrete mixer).

Pour the mortar son the floor or in the zone to be repaired (with a previous **Pavex-2C primer**) primer and extend with the help of a trowel and/or helicopter at the desired height.

Let it dry at least 8 hours.

Once the mortar is dry, it admits any kind of seal: **Pavex-2C color, Orfapol 50, Paviplast epoxy...**

Associated products

- *Pavex-2C primer
- *Pavex-2C color
- *Silica sand
- *Paviplast epoxy
- *Orfapol 50



Packaging

Pack (A+B): 30 kg
Arid: 30 Kg sack

Colors

Resin A+B: amber
Arid: natural color
Other colors consult.

Consumption

±2,4 Kg/m² per pass 1 mm. thickness

**These consumptions can oscillate depending on the support and arid grain size.*

Preservation

In the closed original container (20 °C) and sheltered from outdoors: 1 year

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Pavex-2C Primer

Epoxy primer 100% solids

Epoxy primer 100% solids without solvents for primer over concrete, old-new concrete joining bridges and preparation of epoxy mortars.



Product

- High chemical resistance
- Good anchorage over concrete
- Excellent anchorage over finish resin base layers
- Great adhesive power

Resistance table

• Dry heat temperature:		130°C
• Wet heat temperature:		75°C
• Saline fog	Resistance	> 1000 hours
• Diluted acids	Resistance	> 1 year
• Diluted alkalis	Resistance	> 1 year
• Marine environment	Resistance	> 3 years
• Industrial environment	Resistance	> 3 years
• Water immersion	Resistance	> 5 years
• Salt water immersion	Resistance	> 5 years
• Resistant		-20°C

Characteristics

- Mixture life: 15 minutes
- Dry 20°C and relative humidity 60%
 - Dry to the touch: 4-6 hours
 - Total drying: >6 hours
 - Total polymerization: >7 days
- Final aspect: porcelain

** These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Composition: Resin epoxy two component
- Mixture weight: 1.1 g/cm³
- Aspect finish: bright
- Viscosity: 70-80 U. /KREBS
- Absorption over concrete: 2.2 N/mm²
- Compression resistance at 7 days with epoxy mortar (mixture A+B + arid): ≥50 MPa.

** These results have been obtained with standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- 100% solid epoxy coating for the preparation of primers on concrete floors, intermediate layers in laminates with glass fibers and multilayer systems.
- Protects erosion from pavements subject to heavy traffic.
- Supports continuous immersion of industrial, marine waters...
- Suitable for chemical, food... and industrial vehicles in corrosive atmospheres.
- Indoor.

Supports

- Concrete, cements, mortars.

Recommendations

- Application temperatures: 15-25°C.
- Respect always the same dosage.
- Do not apply over wet floors or subject to possible humidity rising.
- Do not add any additive to the mixture.
- Avoid splashes of the product in the eyes and skin.

Execution conditions

- Over surfaces completely dry and without humidity, clean and without greases and other materials.
- Do not apply with humidity superior to 85% and ambient temperature inferior to 15°C.
- Over cement base, its setting has to be completed (≥ 28 days) and with humidity on the support lower than 4%.
- Over smooth surfaces nonabsorbent, open the pore mechanically means (abrasive spouted, troweled, abrasive disk) accompanied by a deep aspiration.
- Apply with good air renovation, 100% solids without solvent.

Pavex-2C Primer

Epoxy primer 100% solids

Usage way



Mix the components **A + B** with a low revolution whisk until obtaining a perfect homogenizing.

The 2 components mixture has an approximately 15 minutes lifetime.

Application of the already mixed product can be performed with airless, brush, roll...



** Between layers, a minimum of 6 hours and a maximum of 24 hours must pass. If this maximum is exceeded, a preliminary surface sanding must be performed*

** In case of appearing a light superficial veil after the drying, it disappears cleaning the surface with water and soap.*

Associated products

*Epoxy paints and mortars



Packaging

30 kg pack (A+B)

Colors

Colorless

Consumption

4-5 m²/kg 1 pass (80 – 100 microns)

* These consumptions can oscillate depending on the support

Preservation

In the closed original container (20 °C) and sheltered from outdoors: 1 year

⚠ IMPORTANT

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Pavex-2C Multilayer system

Epoxy coating 100% solids for protection of concrete floors



Properties

- Excellent resistance to chemical agents.
- Great resistance to extreme temperatures.
- Extraordinary adherence.
- Excellent mechanical properties (abrasion resistance).

Characteristics

- **Nature:** Epoxy resin without solvent
- **Color:** Amber
- **Specific weight:** 0.9 (mixed the two components)
- **Mixture use life 20°C (1kg.):** ±20 minutes
- **Yield:** Approx. 3 m² / Kg.

Mechanical resistances

• Compression	850 Kg. /cm ²	ASTM C-306-55
• Bending	150 Kg./cm ²	ASTM C-293-57 T
• Traction	85 Kg. /cm ²	ASTM C-190-58

Chemical resistances in immersion kg / cm²

• Sulphur acid	20%	300 hours	Unaltered
• Sulphur acid	50%	300 hours	Loss of color
• Phosphoric acid	90%	300 hours	Unaltered
• Acetic acid	5%	300 hours	It gets white
• Nitric acid	20%	300 hours	Loss of color
• Oleic acid	100%	300 hours	Unaltered
• Citric acid	100%	300 hours	Unaltered
• Caustic soda	50%	300 hours	Unaltered
• Xylene	100%	300 hours	Unaltered
• Oil	100%	300 hours	Unaltered
• Gasoline	100%	300 hours	Unaltered
• Sugary solution	20%	300 hours	Unaltered
• Aviation fuel	100%	300 hours	Unaltered

Hardening (depending on ambient temperature)

The pavement can be used:

- For pedestrian traffic: ±24 hours.
- For forklifts traffic: ±5 days
- For light elements traffic: ±2 days
- Total hardening: ±7 days

Enforcements

- Warehouses in general
- Alimentary industry
- Chemical laboratories
- Sugar companies
- Pharmaceutical Industries
- Canneries
- Oil refineries
- Refrigerators
- Meat industries
- Milky industries

Other enforcements

Pavex 2C multilayer system is used to compile Epoxy mortar in:

- Expansion joints lips
- Screed pavements
- Anchorages
- Machinery benches
- Multilayer systems
- Reparations
- Caulks
- Multicolor systems
- Reinforcements
- Concrete adhesives
- Holes refill

Pavex-2C Multilayer system

Epoxy coating 100% solids for protection of concrete floors

Usage way

Support

- The minimum concrete age has to be 28 days.
- Adequate cement dosage.
- Preferably, finish troweled.
- Clean and dry.

Once these requirements are achieved:

- Brush with steel tines.
- Dust aspiration.

Product application

It consists in mixing perfectly the two components in the adequate proportions.

It is necessary take into account that the mixture life inside the can is 20/30 minutes, with an average temperature of 20°C.

The product application is performed with short hair roller, extending over the concrete in such a way that the concrete leaves a continuous film.

If you desire more than a layer, the interval between the layers has to be from 8 to 20 hours.

- Sand or carborundum can be sprinkled over the resin applied in order to obtain anti-slip characteristics.

As an epoxy mortar with aggregates:

1° Application of an anchorage layer **Pavex 2C multilayer system** with a yield 3-4 m²/kg.

2° Mortar preparation:

1 part **Pavex 2C multilayer system**. + 6/8 sand parts (clean, dry and grain size from dust + to 1,2 mm. with distribution of lineal particle, that means, that it has to be all the sizes in order that no holes are left).

3° Mortar spilt over the anchorage layer being it still sticky, that means, from 15 minutes to 1 1/2. Hour from the application.

4° Extended with ruler over ways with 4-6 mm.

5° Smooth and imperfections correction with a trowel help.

In case of having to support strong chemical attacks it can be applied over the said pavement a last layer of **Pavex2C multilayer system**.



Packing

Packs (A+B)
5 Kg - 30 Kg

Application temperature

10-35°C.

Preservation

In sealed original packaging (5-35°C),
protected from weather and humidity: 1 year

⚠ IMPORTANT

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Pavex 3C Mortar

Leveling epoxy mortar for anchoring and filling under plates

Solvent-free 3-component epoxy grout mortar for screeds, leveling, filling and anchoring.

Technical information

Resistance to compression	28 days	≥120 N/mm ²	(ASTM C 579 – Method B)
Compressive modulus of elasticity	1 day 7 days	≥20 GPa ≥23 GPa	(BS 6319: Part 6 - Compression Blossom Module)
Flexural strength	28 days	≥10 N/mm ²	(ASTM C 293, 23°C)
Tensile strength	1 day 7 days	≥15 N/mm ² ≥17 N/mm ²	(BS 6319: Part 7)
Adhesion and tensile strength	Concrete 1 and 7 days	≥3 N/mm ² (concrete fails)	(BS EN 1542 :1999)

**All technical information about the product indicated in this sheet is based on tests carried out in our laboratory. Data measured on actual site may vary due to circumstances beyond our control.*

Product information

Mortar base	Epoxidic
Presentation	Pack (A+B+C) of 30 kg (A=4 kg / B= 2 kg / C= 24 kg)
Application temperatures	5 -30°C and HR <75%
Mass density	(A+B+C) 2,4 kg/l at 25°C
Viscosity at 25°C	(A +B) 70-80 U./KREBS
Components (A+B+C) mixing	Self-leveling epoxy mortar
Consumption	Depending on support
Pot-life (50% U.R.)	10°C: > 3 hours 25°C: >2 hours 35°C: >75 minutes
Colour	Component A: Amber liquid Component B: Amber liquid Component C: Grey 3 components mixed: Grey
Conservation	1 year for components A and B (in original container, unopened). 6 months for component C (in original container, unopened). Store in a dry place at a temperature between 5°C - 35°C, sheltered from the weather and humidity.

Resistance table

Dry heat temperature:	130°C	
Humid heat temperature:	75°C	
Salty fog	Resistance	>1000 hours
Diluted acids	Resistance	>1 year
Diluted alkalis	Resistance	>1 year
Marine environment	Resistance	>3 years
Industrial environment	Resistance	>3 years
Water immersion	Resistance	>5 years
Salt water immersion	Resistance	>5 years
Resist to	-20°C	

Execution conditions

- On a completely dry and moisture-free surface, clean and free of greases and other materials.
- Do not apply with relative humidity greater than 85% and ambient temperature below 5°C.
- Maximum support humidity 4%.
- Apply with good air renewal, 100% solvent-free solids.
- On completely set cement (≥ 28 days).
- On smooth, non-absorbent surfaces, open pore by mechanical means (abrasive blasting, fratasig, abrasive disc) accompanied by deep aspiration.
- If necessary, to ensure perfect adhesion, previously apply a layer of **Primer Pavex-2C** primer with moisture support <4%.
- Increases hardness and resistance against abrasion.

Preparation and mixing

- Mix the components A + B with a whisk at low revolutions for at least 2 minutes until a uniform mixture is obtained, then add the component C and mix until a homogeneous mortar is achieved.
- Mix life: ±15 minutes
- Drying at and relative humidity 60%20°C
Drying to the touch: ≥60 min.
Total drying: 8-12 hours
Total polymerization: ≥7 days
- Final appearance: Mortar

**These times are set at 20°C and may vary depending on the ambient temperature.*

Performances

- Composition: Bicomponent Epoxy Resin + Aggregate of selected granulometry.
- Mass density (Resin + aggregate): 2.4 Kg/l
- Finished appearance: matte
- Viscosity: 70-80 U. /KREBS
- Compressive strength after 7 days as epoxy mortar (mixture A+B + aggregate): ≥55 N/mm²

**These results are from standard tests and may vary depending on the installation conditions.*

Pavex 3C Mortar

Leveling epoxy mortar for anchoring
and filling under plates

Application

1. Before landfilling, she must calculate in detail the expected material consumption including waste. Make sure you have all the necessary material to avoid situations of flow cut at the time of pouring the material.
2. Remove dirt or any contaminants from the base material by making the necessary repairs. Make sure that all traces of corrosion have been removed from the motherboard. Identify high points on the motherboard and drill to prevent air entrapment. To level the plates, use a small screw or threaded bolt, this provides a good fit before, during and after pouring. Leveling wedges can also be used but must be removed after application.
3. Bolts and screw holes should be completely clean, dry and tight enough. Apply the grout for anchors in the holes and immediately place the anchors with the application of a slight twisting movement until the required depth is reached and part of the resin protrudes slightly above the ground line. Make sure the screws are straight and centered.
4. The formwork to shape the mortar around the base plate must be watertight and very well aligned. The construction management will decide in all cases the slack around the plate to favor the distribution of loads. The height of the formwork will depend on the pouring to be made. It is advisable to use release agent type L-2 to prevent the mortar from adhering to the formwork and to facilitate its removal.
5. Prevent the mortar from remaining at rest for more than 15 minutes. By means of an opening or mailbox of the formwork pour the grout continuously checking that the material flows correctly under the plate. Pour only from one side to avoid trapping air. It is not advisable to vibrate or shake the grout when it is in its plastic state. For large surfaces, the use of a grout pump can be considered. The process of mixing materials and pouring must be continuous avoiding any interruption during the process.
6. If the thickness of the spill exceeds 10 cm, adequate precautions should be taken against thermal shock. These can include protection against water and rain for the first 24 hours, maintaining the formwork for at least 24 hours, and providing a reinforcing mesh to ensure an even distribution of the heat generated.
7. Clean all application tools and equipment with a universal solvent, immediately after use. Hardened and/or cured material can only be removed mechanically.



Packaging

Pack (A+B+C) of 30 kg (A=4 kg / B= 2 kg / C= 24 kg)

Colour

Component A: Amber liquid
Component B: Amber liquid
Component C: Grey
3 components mixed: Grey

Consumption

Depending on support

Conservation

1 year for components A and B (in original container, unopened)
6 months for component C (in original container, unopened).

Store in a dry place at a temperature between 5°C - 35°C,
sheltered from the weather and humidity.

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Pavex Marine Paint

Water-based copper coating



Description

- High solids, aqueous dispersion coating for use on the hull of vessels and submerged marine structures.
- It prevents the formation of marine scale without polluting the marine environment.
- The antifouling power of metallic copper has been known for many years.
- Nowadays copper plating is neither cost-effective nor practical.
- Pavistamp has achieved the application of metallic copper in liquid form.

Properties

- Relative humidity: <70%.
- Forms a high purity metallic copper coating insoluble in water.
- Prevents marine scale growth.
- Saves energy by preventing fouling.
- Properly applied its life is more than 5 years.
- Saves on maintenance, labor, dry docking, crane, etc.
- Easy repainting in case of eventual retouching due to accidents, etc...
- Easy cleaning of the application tools using water.
- Environmentally friendly. No emissions of volatile solvents.

Characteristics

	Comp.	Comp.	Comp. C	Mix
Appearance	Liquid	Liquid	Copper powder	Paint
Color	Yellowish	Colorless	Copper	Copper
Specific gravity	3,5 gr./cm³	-	-	-
Viscosity	Tixotrópico			
Gloss	Mate			
Mixing ratio in	10,15	4,59	85,26	100
Mixing ratio in	3 vol.	1 vol.	4 vol.	8 vol.
Per life a 20°C	±20 minutes			
Dry to recoat	±4 hours			
Total dry	±24 hours			
Total polymerization	≥7 days			
Approximate consumption	1 Kg/m2 in2 passes			

Instructions for use

Surface preparation (on polyester and metal)

The surface to be treated must be free of any existing paint, leaving the surface free of grease, dust, clean and dry. The treatment can be carried out by sandblasting, scraper or abrasive disc 40 or 60 grit.

Application of the protective system on polyester.

Apply 2 coats of **Pavex-WS flexible**.

Mixing ratio by weight: - 75.74 parts component A

- 24.26 parts component B- Pot life: ±1 hour

- Consumption in 2 coats: ±2 m2/Kg

Application of the protective system on metal

Apply 2 passes of **Pavex 85-15 primer** Mixing ratio by weight:

- 85 parts component A

- 15 parts component B

- Pot life: ±6 hours

- Consumption in 2 passes: 5-7 m2/Kg

While this 2nd pass is still mordant (±7-12 h. interval), apply one pass of Pavex waterborne epoxy marine paint (A+B).

Mixing ratio by volume:- 3 parts component A

- 1 part component B

Add 10-15% water if necessary.

After 0.5-1 h. after applying **Pavex marine paint (A+B)** and being transparent and tacky, apply a first coat of **Pavex marine paint (A+B+C)**.

It is preferable to mix well the three components by means of a mechanical stirrer. Start mixing **components A+B**, and then add **component C** slowly and with continuous mechanical agitation. It is recommended to carry out small mixtures in volume

Mixing ratio in Volume:

- 3 parts Component A

- 1 part Component B

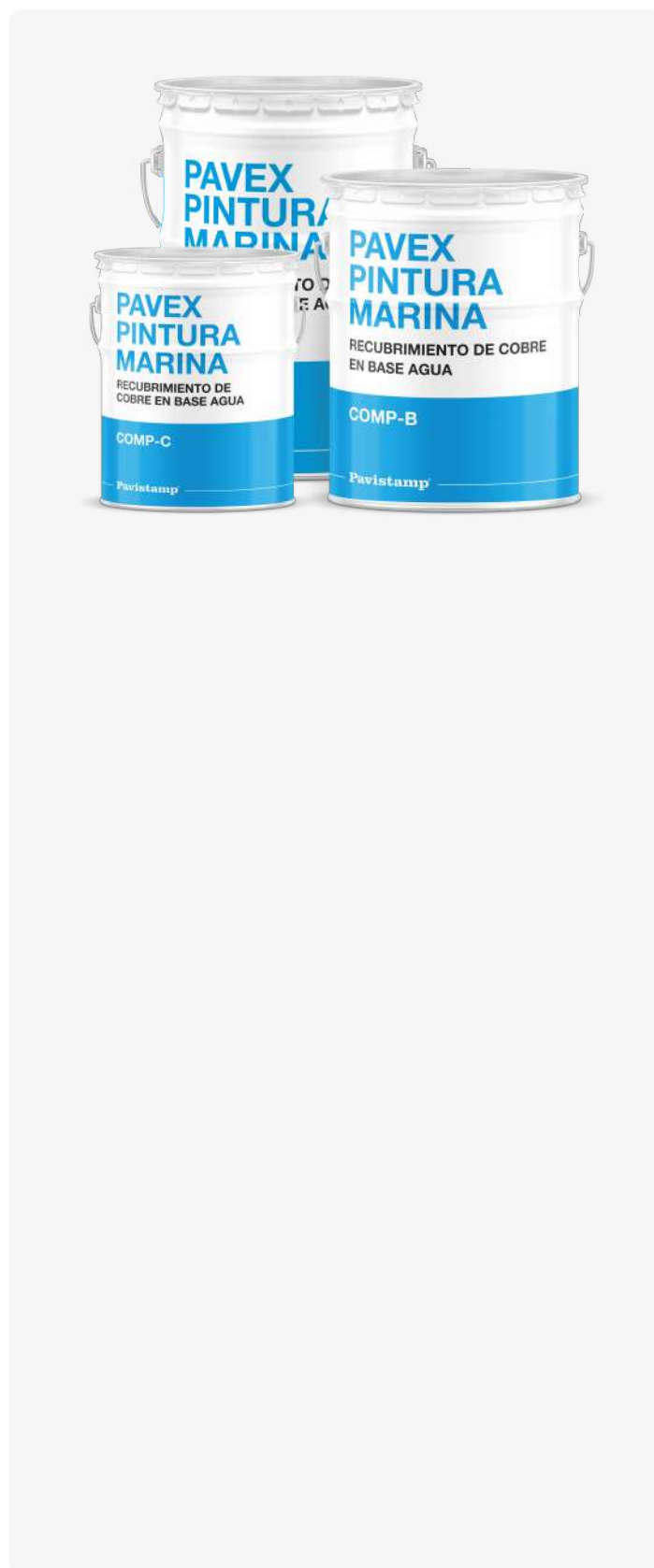
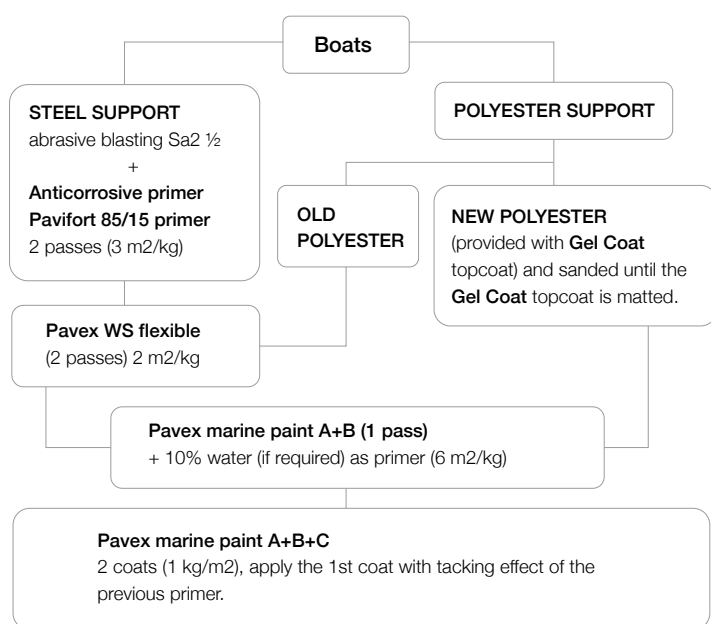
-4 parts Component C

Apply preferably using a short nap roller. Apply by stirring the mixture **A+B+C** periodically, in order to ensure a good homogenization of the product before applying, if necessary it can be diluted with 5% of **Pavex marine paint thinner**. It is not advisable to recoat to obtain total coverage in the first pass. After ±4 hours the second coat can be applied to obtain the desired final finish.

In the case of metallic surfaces, a **Pavex 85-15 anticorrosive primer** should be applied in 2 coats before the application of the protective system. It must pass between 2 and 6 days minimum, before introducing the boat in the water and if it is required to keep it dry until the next year it can be done without any problem.

Pavex Marine Paint

Water-based copper coating



Observations

- It is recommended that a minimum of 4 hours and a maximum of 24 hours elapse between successive coats of **Pavex marine paint**.
- To adjust viscosity, depending on the application method, a maximum of 15% isopropanol or **Pavex marine paint thinner** can be added.
- If there are metal parts on the hull (hull bushings, anodes, grounding plates, etc.) that are connected to the negative pole of the battery or have electrical leaks, in all metallic copper-based paints, an aura forms around them over time in which the copper loses its green color and therefore reduces its antifouling resistance, so it is advisable as a precaution to leave about 4 cm. without painting with copper, protecting this area with the same antifouling agent used on the propeller. This area should also be re-painted during the annual maintenance.
- The performances are calculated on smooth and non-absorbent surfaces.
- The Pot Life of the mixture depends on the temperature and quantity of the mixture.

Precautions

- Avoid prolonged contact with skin.
- Avoid splashing the product in the eyes.
- It does not contain solvents so any spillage should be rinsed immediately with plenty of water.

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Pavex-WS Flexible

100% solid epoxy coating high chemical resistance



Description

- The **Pavex WS flexible** is a coating based on 100% solid epoxy resin with great chemical resistance, it is used for the protection of steel and concrete subjected to the most severe chemical attacks.

Characteristics

• Color	Brown
• Specific weight of the mixture	1,30 – 1,40 g./cm3
• Drying (20°C) without stickiness	<15 hours
• Complete cure times at 25°C	±7 days
• Complete cure times at 10°C	±12 days
• Complete cure times at 5°C	±10 days
• Pot life of mix (5-20 kg)	±1 hour
• Proportion of the mixture by weight	77 parts Comp. base
• Proportion of the mixture by weight	77 parts Corp. hardener
• Solid content	100%

Applications

- Widely used in the interior protection of tanks destined to the storage of different chemical products in general; aqueous solutions (acidic and basic), a large part of aromatic and aliphatic solvents, gasoline, petroleum, crude...
- Resists current unleaded gasoline.
- It is also used for the protection of concrete floors subjected to frequent spills and splashes of all kinds of aggressive chemical agents;
- Electroplating workshops, cellulose, dairy, wine, petrochemical industries and in general on all types of soils, both new and old.
- Due to its good wetting power on fiberglass, it is used successfully for the interior lining of tanks.
- Presents a good cure, even at low temperatures, also good resistance to carbonation.
- It is a Non-corrosive and Non-CMR product (non-carcinogenic, Non-Mutagenic or Toxic for reproduction) in accordance with the European Directives.

Technical data

Surface preparation:

- STEEL:** It will be shot-blasted to Sa 2 1/2 or Sa 3 (UNE-EN ISO 8501-1), with roughness RZ 70-100 micrometers and primed with a shop primer if dehumidifiers are not used.

CONCRETE: To obtain the best results, it is necessary that the concrete present:

- A strong and firm surface.
- It is dry, free of grease and other materials.
- Be completely set.

As a preparation system on concrete, dry or wet blasting or abrasive blasting is recommended, making sure in the latter case that the surface is completely dry before applying.

Product application

- The first operation consists of the homogeneous mixture of the two components, which are presented in stoichiometric proportions.
- It is important to note that as soon as the catalyst is mixed with the base resin, the chemical reaction between the two components begins, so it must be prepared immediately before its application.
- Stir the Base Component "A" using a mechanical stirrer, simultaneously, pour the content of the Hardener Component "B" over the Base Component "A", carefully mix the two components in the stoichiometric supply proportions and homogenize both with the help of the mechanical stirrer.
- The pot life is 1 hour. The application of the product is carried out with special two-component spraying equipment, or high compression airless equipment, brush or roller spreading on concrete or steel, so that there is enough quantity left to form a continuous film of the desired thickness.
- Do not make partial mixtures, but total ones according to the form of supply. To clean utensils, use **Epoxy Thinner**.

Application conditions

- | | |
|---|--------------|
| • Ambient temperature | Minimum 10°C |
| • Substrate temperature | Minimum 7°C |
| <i>In any case, the temperature of the substrate must be at least 3° C above the dew point.</i> | |
| • Relative humidity | Maximum 80% |

Pavex-WS Flexible

100% solid epoxy coating
high chemical resistance

Resistance table

PRODUCT	RESULT	DIVE
• Distilled water	Unaltered	2 years
• Drinking water	Unaltered	2 years
• Sea water	Unaltered	2 years
• Xylene	Unaltered	2 years
• White spirit	Unaltered	2 years
• Gasoline	Unaltered	2 years
• Caustic soda	Unaltered	1 year
• Acid sulfuric 10%	Unaltered	1 year
• Ammonia 5%	Unaltered	6 months
• Ammonia 20%	Unaltered	6 months
• Phosphoric acid	Unaltered	6 months
• Flaxseed fatty acids	Unaltered	6 months
• Crude oil	Unaltered	6 months

Complies with INTA164402A standard



Consumption

1 Kg. of **PAVEX WS flexible** covers $\pm 2 \text{ m}^2$ for a thickness of 300 - 350 microns DFT.

Conservation

Store in closed original container between 5 - 30° C

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Pavi-traffic

Painting for horizontal signalling

Quick drying painting and great resistance to abrasion.



Product

- Very resistant to abrasion.
- Easy application.
- Quick drying.
- Admits the silica arid aggregate.

Usage

- Horizontal signalling for roads, parkings, warehouses, etc...
- Admits the little pearls sprinkling, in a proportion between 0.4 and 0.5 kg. per 1 kg. painting **Pavi-traffic**.

Enforcement

- Application temperatures: 10-30°C
- With spray devices used for signalling.
- Do not apply with rain risk or frost possibility.

Performances

- Binder: Plastified Chloro-rubber .
- Pigment: Pigments coverings and extending.
- Brightness: Silky.
- Specific weight: From 1,55 to 1,75.
- Viscosity Stomer at 25°C: 80 – 90 units Krebs.
- Dry for traffic at 25°C: 30 minutes.
- Disolution: Diluting epoxy.

**All the information described has been obtained in standard essays and it can oscillate depending on the workplace conditions.*



Packaging

5 and 30kg packages

Color

White and yellow.
Others on demand.

Consumption

6-8 m2/kg approximately
(1 coat and depending on the support)

Preservation

In original closed container, protected from weather and humidity:
1 year. weather and humidity: 1 year

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Pavifort 85-15

Anti-dust epoxy coating on cement bases

Epoxy polymer with 2 components, high in solids for protection and finish.



Product

- High chemical resistance.
- Seals and waterproofs.
- Pavements subjected to chemical attacks.

Characteristics

- Density: 1,35
- Viscosity Stormer: 80-90 uK
- Pot life: 6 hours
- Dry touch: 3-4 hours
- Total drying: 8-10 hours
- Completed cured: 6 days
- Water absorption: null

**These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Mechanical resistances

- Compression: ≥ 950 kg/cm²
- Flexural strength: ≥ 585 kg/cm²
- Traction cm²: 115 kg

Usage characteristics

- Application: pistol, curler, brush, airless...
- Diluting: Epoxy solvent
- Repainting: 6-24 hours
- Thickness: 35 microns (1 layer)
- Pot Life mixture: 6 hours

**The yields are calculated over smooth and nonabsorbent surfaces.*

**The Pot Life of the mixture depends on the temperature and mixture quantity..*

Enforcements

- Epoxy covering for pavement and coatings protection indoors.
- Protects from erosion the pavements subjected to intense traffic.
- Supports the continuous immersion in industrial waters, marine waters...
- Reinforce the concrete wearing course, providing the concrete cleaning and a durable and decorative aspect.
- Fit in chemical installations, alimentary industries... and industrial vehicles in corrosive atmospheres.
- Warehouses floors paintings, parking, industrial laboratories, mechanical workshops, etc.

Supports

- Concrete, metal, construction, naval, wood...

Enforcement tips

- Application temperatures from: 15-25oC.
- Maximum support humidity: 4%.
- Maximum relative humidity: 75%.
- Apply with good air renovation.
- Solvent base.
- Avoid splashes of the product in the eyes and skin.

Pavifort 85-15

Anti-dust epoxy coating on cement bases

Execution conditions

- Over surfaces completely dry and without humidity, clean and without greases and other materials.
- Sanding or polished with abrasive thick to eliminate grouts, loose particles... and proceed with a deep aspiration.
- Over smooth surfaces, nonabsorbent... sand before and open porous, in order to secure a good anchorage.
- Over cement base, its setting has to be completed (≥ 28 days).
- Increases the hardness and resistance in front of the abrasion.
- Do not apply with humidity superior to 75% and ambient temperature inferior to 10°C.

Usage way

Mix the **A+B** with a slow whisk until obtaining a perfect homogenizing, let it rest 15 minutes.

The 2 components mixture has a life time of 6 hours approximately.

Application: with airless, brush, roll...

It can be diluted with **Diluting Epoxy**, 25% for the first layer, 5-10% for the second layer.

If a maximum mechanic resistance is desired, apply a third layer.

Between coats, it has to rest minimum 6 hours and maximum 24 hours. In case of exceeding this maximum, a previous superficial sanding has to be performed.

*In case of appearing a light superficial veil after the drying, it disappears cleaning the surface with water and soap.

Associated products

*Epoxy solvent



Packaging

25 kg pack (A+B)

Colors

Grey, red, green...
Others on demand

Consumption

5-7 m²/kg per layer (30 – 40 microns)

**These consumptions can oscillate depending on the support absorption.*

Preservation

12 months from the fabrication date, in the closed original package (25°C) and sheltered from outdoor and humidity.

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Pavifort San

Epoxy covering for sanitary use

Epoxy covering without solvent with high chemical resistance.



Product

- For alimentary industry.
- Without solvents.
- For deposits and silos.
- Without joints.
- Product homologated by Spanish Ministry of Health and Consumers Affairs.

Resistance table

PRODUCT	INMERSION	RESULT
• Ammonia 3%	1 year	Unaltered
• Caustic soda 3%	1 year	Unaltered
• Safe water	6 years	Unaltered
• Seawater	6 years	Unaltered
• Wine	6 years	Unaltered
• Beer	6 years	Unaltered
• Cider	6 years	Unaltered
• Olive oil	6 years	Unaltered
• Sugary dissolution	6 years	Unaltered

Usage characteristics

- Mixture usage life (20°C): 15-20 minutes
- Dry touch (25°C): lower than 2 hours
- Dry without stickiness (25°C): lower than 6 hours
- Time between layer and layer: minimum 12 hours to maximum 24 hours
- Complete cured (25°C): > 7 days
- Complete cured (15°C): > 12 days

**These times are contemplated with 15-25°C and they can oscillate depending on the ambient temperature.*

Performances

Solids in volume: 100%

It can be diluted until a 10% with **Sanitary Diluting.*

Enforcements

- Covering based on epoxy resins 100% solids with great chemical resistance, formulated to be in contact with alimentary products.
- In tank interiors or silos, from concrete and also from steel containing oils, wines, preserves...
- Pavements protection in sanitary industries, meat industries, pharmaceutic laboratories...
- Indoors.

Supports

- Concrete, polished concrete, steel...
- Over safe water conductions.

Enforcements tips

- Application temperatures from 10-35°C
- Maximum support humidity: 4%
- Maximum relative humidity: 70%
- Do not perform partial mixtures but total depending on the delivery way.
- Respect always the same dosage.
- Do not add any additive to the mixture.

Pavifort San

Epoxy covering for sanitary use

Execution conditions

- Over concrete: In order to obtain optimal results, it is necessary that the concrete presents:

- A) A resistant and steady surface.
- B) It has to be dry, without greases and other materials.
- C) Its setting has to be completed ≥ 28 days and with humidity $< 4\%$.

- In the preparation it is recommended a spouted with sand, sandblast and water, brush with steel tines, acid stripped, with dissolution 10% and posterior dry.

- Over smooth surfaces, nonabsorbent... sand before and open porous, in order to secure a good anchorage.

Usage way



Mix Component **A** and simultaneously pour the contents of Component **B** (hardener), with homogenous slow beater.

Important: once the mixture is done there are only 15 to 20 minutes to perform the application.



The application can be performed with brush, roll until forming a continuous layer with the desired thickness.

Important: In the event of exceeding the maximum time between layer and layer, a superficial sanding will be performed in order to secure the product adherence.

Associated products

*Sanitary diluting

*Vitrex wine



Packaging

Pack (A+B): 20 kg

Colors

Red and russet

Consumption

0,8-1 kg/m² (2 layers), in order to guarantee a skin thickness from 400 to 600 microns.

**The consumptions can oscillate depending on the support absorption.*

Preservation

In original closed container (20°C), and sheltered from the elements and humidity: 1 year

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Paviplast covers

Elastic waterproof coating

Painting formulated base on Acrylic Polymers in dispersion that allows obtaining elastic finishes without residual tacking and with great duration and elasticity.



Product

- Great elasticity.
- Excellent adherence.
- Excellent mechanical behavior.
- Abrasion resistant.
- Ultraviolet rays resistant.
- Possibility of arming with Geotextil.

Performances

- Application temperature: 5- 30°C
- Viscosity: 100 mPa.s
- Density: 1.34 g/cc
- Dry touch time: 60 min.
- Dry time between layers: 6-8 hours
- Elongation: > 250%

**All the information described has been obtained in standard essays and it can oscillate depending on the workplace conditions.*

Enforcements

- Terraces, decks, facades waterproofing...
- Possibility of arming with Geotextil.
- Resistant to ageing and ultraviolet rays
- Resistant to abrasion and it is cleanable.
- Over smooth surfaces, nonabsorbent... sand before and open porous, in order to secure a good anchorage.
- Indicated for terraces, decks, roofs waterproofing in different supports like mortar, concrete, fiber cement.
- Restoration and sanitize from old asphalt waterproofing.

Usage way

- The supports have to be healthy, clean and without dust, greases and other construction remains.
- Eliminate the mold with pressure water or sandblast.
- Do not apply with direct sunlight, wind, risk of rain or frost...
- In degrading support repair with repair mortar **Pavigrout**.

Shake until a perfect homogenization:

- First layer: dilute a 15% with water.
- Other layers: direct application without diluting.
- Apply with brush, roll, airless...
- The coats have to be crossed and minimum of 3 layers.



Packaging

20 kg drum
720 kg pallet (36 drums)

Colors

White, grey, red and green
Others on demand

Consumption

±1,5 kg/m2 approximately (3 pass) and depending on the support absorption.

Preservation

In the closed original container and sheltered from outdoors and humidity: 1 year

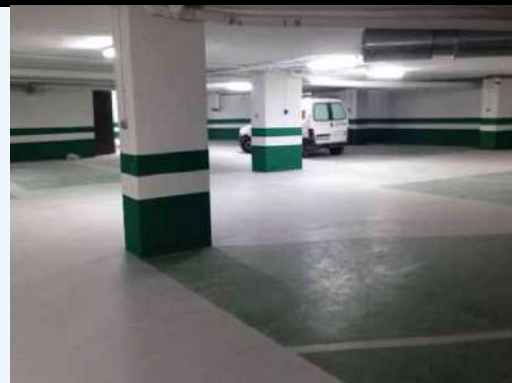
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Paviplast Epoxi

Epoxy covering to water

Epoxy covering transparent water base with high resistance, in 2 components with Amine and Resins Epoxy.



Product

- High chemical resistance.
- Seals and waterproofs.
- Asphalt treatments seal.
- Great resistance to chemical agents.

Chemical resistance in immersion

• Sulphur acid:	10%	100 h	unaltered
• Phosphoric acid:	75%	100 h	unaltered
• Oleic acid:	100%	100 h	unaltered
• Caustic soda:	20%	100 h	unaltered
• Xylene:	100%	100 h	unaltered
• Oil:	100%	100 h	unaltered
• Gasoline:	100%	100 h	unaltered
• Fresh water:	100%	6 months,	unaltered
• Seawater:	100%	6 months,	unaltered

Characteristics

- Color: Transparent
- Density: 1.02 g/ml
- Solids by weight: 68% (A+B)
- Solids by volume: 68% (A+B)
- Viscosity: 16000 +/-3200 mPa
- Pot Life: >80 min.
- Drying to 25 °C: 4-6 h.
- Repainting at 25 °C: >14 h. / <36 h.
- Completed cured: ±7 days

**These times are contemplated to 20°C and they can oscillate depending on the ambient temperature.*

The brightness resulting depends on factors like:

- Material temperature.
- Ambient humidity
- Ambient temperature
- Substrate porosity.

Enforcements

- Epoxy covering in water base for pavement and coating protection indoors.
- Protects from erosion to the pavements subjected to intense traffic.
- Protection from elements that do not admit solvent (porexpan, rubbers...)
- Intermediate layer between two incompatible painting systems.
- The coating brings a good mechanical resistance and solvent resistance.

Supports

- **Microcement, Pavistamp Floor, Pavifluid200**, concrete, boats wood, doors and windows...
- Due to its careful selection of resins and incorporated additives, the resulting coating is breathable to the residual humidity in wet support, therefore it is ideal for the superficial micro cements seal with a residual humidity from 10%-30%.
- Indoors

Uses

- Colorless finish or with color for indoors floor with excellent chemical and mechanical resistance.
- Primer for painting over concrete.
- Primer and finish for wet substrates
- Stratified with glass fiber.

Enforcements tips

- Application temperatures: 15-25°C.
- Storage temperature: 15-35°C.
- Apply with a good air renovation.
- Water base.
- Avoid splashes of the product in the eyes and skin.

Paviplast Epoxi

Epoxy covering to water

Execution conditions

- Over surfaces completely clean and without greases and other materials.
- Over cement base its setting has to be complete (<28 days).
- Over smooth surfaces, nonabsorbent... sand before and open porous, in order to secure a good anchorage.
- Fit in chemical installations, alimentary...
- Increases the hardness and resistance in front of abrasion.
- High mechanical resistances.
- Provides to the union a great traction and slip resistance

Usage way

Mix the 2 components **A+B** with a slow whisk until obtaining a perfect homogenizing. Once it is homogeneous the 2 components mixture, add the water quantity continuous shaking during 1 minute and let it rest during 10 minutes in order to slight the mixture.

Dilution conditions

- **As primer (1 coat):** 1 part of **A+B** plus 3 water parts. (Yield 0,12 kg/m2).
- **Surface complete painting:** apply 2 coats,
 - 1st coat: 1 part of (A+B) + 1 water part
 - 2nd coat: 1 part of (A+B) + 0,2 water parts
(Yield: 0,1 kg/m2 per coat).
- **Transparent finish: (1 coat):** 1 product part **A+B** plus 0.2 water parts. (Yield 0,12 kg/m2).
- **Stratified with Glass Fiber:** (1 coat)
1 part of (A+B) plus 0.2 water parts.
(Approximate consumption 0.7 Kg/m2.)

** The 2 components mixture has a 90 minutes life time at 25°C approximately.*

Application can be performed with airless, brush, roll...

** Between layers, a minimum 14 hours and a maximum 36 hours period has to take place at least. In the event of exceeding this maximum, a previous superficial sanding will be necessary.*

Associated products

- *Microcement
- *Pavistamp floor
- *Pavifluid 200
- *Fiberglass

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Packaging

25 kg pack (A+B)

Colors

Colorless, white, red...
Others on demand

Consumption

8 – 9 m2/kg per layer (70-80 microns)

**These consumptions can oscillate depending on the support absorption.*

Preservation

In original closed container (15-35°C) and sheltered from the elements and humidity: 1 year

Pavirapid

Quick epoxy mortar for paving repairs

2-component mortar based on epoxy resins and amine, in aqueous dispersion and with high solids content.



Product

- Good wear resistance
- Restoration of pavements
- Refilling of voids and irregularities
- High mechanical resistance
- Indoor

Performances (25°C – 50% H.R.)

- Specific weight: 1,80 - 190 g/ml
- Residue dry: 98% in weigh
- Viscosity (25°C): wet quartz
- Compression resistance: >50 N/mm²
- Bending load: >30 N/mm²

**These results are from standard tests and may vary depending on the conditions of commissioning.*

Technical Data

• Packaging	Pack A+B: 6 kg
• Application temp.	5-30°C
• Consumption	±2 kg/m ² (1mm thickness)
• Color	Grey, red and green Gris, rojo y verde
• Odor	Ammina
• Dosification (A+B+C)	A=94,1 – B=5,9
• Specific weight (a 25°C)	1,80 – 1,90 g/ml
• Pot life (50% HR)	5°C:> 30min 25°C:>20min 35°C:> 12 min
• Dry to the touch (50% HR)	35°C: 1-2hs 25°C:2-3hs 5°C:4-6 hs
• Pedestrian traffic (50% HR)	25°C:>4 hours
• Deep hardening	25°C:>5 days (50% H.R.)
• Tool cleaning	Universal Solvent
• Storage	In original closed container (5-35°C), protected from weather and humidity: 1 year.

Applications

- Restoration of eroded pavements and in bad condition.
- Filling of cavities and irregularities on concrete, resin or tile pavements.
- Formation of half-round between walls and pavement, before the application of resinous coatings.
- The mortar obtained has a pasty appearance and is not subject to shrinkage or settling.
- The values of mechanical resistance are achieved in very fast times.
- In interiors.

Supports

- The support must have a mechanical resistance >25 N/mm² and tensile >1.4 N/mm².
- On new concrete >28 days.

Stand preparation

- Clean carefully, (preferably with a pressure washer), the surface to be restored, eliminating every residue of dirt, inconsistent parts and dust, until a completely revived surface is obtained revived.
- On not very consistent funds, apply a pass of **Pavex-2c primer** with an approximate consumption of 0.5 kg/m². To proceed with the application of **Pavirapid** it is not necessary to wait for the hardening of the primer.

Pavirapid

Quick epoxy mortar for paving repairs

Application

The mortar is supplied in 2 separate components. At the time of application pour the content of component **B** into the container of component **A**, mix with beater at low revolutions for at least 2 minutes until uniform coloration is obtained.

To obtain a perfect blend it is advisable to transfer the mixture to another container and mix again for 1 minute. Pour the mixture into the area, leveling and smoothing with trowel.

For better workability, keep the tools clean, using a damp cloth.

Usage way



Mix the components **A + B** with a whisk at low revolutions for at least 2 minutes, until a perfect homogenization is achieved.

The application can be made with steel trowel, rubber ...



Associated products

*Pavex-2C primer

*Quartz



Packaging

Pack (A+B): 6 kg

Color

Grey, red and green

Consumption

±2 kg/m² (1mm thickness)

Conservation

In sealed original packaging (5-35°C), protected from weather and humidity: 1 year

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Pavisport

Acrylic painting for sport floors

Painting formulated in dispersion 100% acrylic pure.



Product

- Easy application.
- Floor renovation.
- Water base, not inflammable

Performances

- Application temperature: 5- 30°C
- Viscosity (22oC): 80 dPa.s
- Specific weight: 1.40 kg/l
- Brightness: silky
- Dry touch time: 30 min.
- Repainting: 8 hours minimum

**All the information described has been obtained in standard essays and it can oscillate depending on the workplace conditions.*

Enforcements

- For sport courts, frontenis courts and sports centers.
- Excellent mating and adherence with slip effect.
- Ecologic without enviroment contamination.
- Over smooth surfaces, nonabsorbent... sand before and open porous, in order to secure a good anchorage.

Usage way

- The supports have to be healthy, clean and without dust, greases and other construction remains.
- Eliminates the mold contamination with the adequated products, sandblast, bleach...
- Do not apply with humidity > 85%, also not over wet supports.



Shake until obtaining a perfect homogenizing:

- First layer: dilute a10-15% with water.
- Other layers: dilute between 5-10% with water.

- Apply with adequate tool, roll, brush, airless...

Associated products

*Pavigrout

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Packaging

22 kg containers
792 kg pallets (36 containers)

Color

Red and green
Others on demand

Consumption

6-8 m2/kg (1 pass) and depending on the absorption of the support

Preservation

In the closed original container and sheltered from outdoors and humidity: 1 year

Pavistamp crete

Polyurethane resin-based mortar self-leveling mortar

Mortar self-leveling, based on polyurethane resins with antimicrobial treatment.



Product

- Excellent physical and chemical resistance.
- High resistance to abrasion.
- Resistant to all types of cleaning products.
- Does not raise dust.
- Smooth non-slip matte colored finish.

Performances (25°C – 50% H.R.)

- Application temperatures: 10-30°C
- Abrasion resistance): Class AR2
- Tensile strength: >12 N/mm²
- Adherence to support: >1.5 N/mm²

As a mortar (28-day results):

- Compressive strength: ≥60 N/mm²
- Flexural strength: ≥5 N/mm²

As self-leveling (results at 28 days):

- Compressive strength: ≥55 N/mm²
- Flexural strength: ≥5 N/mm²

**These results are standard test results and may vary depending on site conditions.*

Technical data

• Packaging	<u>As a mortar:</u> pack A+B+C - 31,81 kg <u>As self-leveling:</u> pack A+B+C - 17 kg
• Consumption	±2 kg/m ² (1 mm thickness)
• Color	Cement grey
• Smell	Ammonia
• Dosage (A+B+C)	Weight and volume: A=2,4 – B=2,5 – C=12,1
• Fire resistance	Classe 2
• Sliding resistance (with pendulum)	Dry: 70 Wet: 40
• Impact resistance	<0,5 mm (>1,8 mm) with 1 kg ball
• Curing time (50% HR)	
Light traffic	10°C:> 36hs 20°C:> 24hs 30°C:> 12hs
Heavy traffic	10°C: >72hs 20°C: >48hs 30°C:> 24hs
Antacid capacity	10°C: >1 day 20°C: >7 days 30°C:> 5 days
• Water permeability	Waterproof
• Water vapor permeability	At 4 mm thickness (24 hours): 5 g/m ²
• Tool cleansing	Water
• Preservation	In original closed container (5-35°C), protected from weather and humidity: 1 year Component B, very sensitive to air humidity.

Usage

- Agro-alimentary and chemical industrial pavements with heavy surface wear.
- Warehouse and commercial floorings subject to high traffic.

Support

- The support must have a mechanical resistance to compression >25 N/mm² and traction >1.5 N/mm².

Resistance

- Antimicrobial - Antimold
- The incorporation of antimicrobial additives in the mortar, provides excellent protection against fungi and bacteria very common in contact with soil, including the most harmful to health such as Salmonella, choleraesius, Listera, Esterichea Coli...

Support preparation

- Concrete floors must be solid, level, absorbent, not contaminated with oil, dust or other substances. The most suitable type of mechanical preparation should be carried out (abrasive machine, sander or pressure washer) and then, if necessary, a primer coat of **Pavex-2c primer + Quartz** should be applied.
- Oily surfaces should be thoroughly roughened and treated with a mixture of **Pavex-2c primer + Quartz** or over the freshly applied resin, sprinkle **Quartz** to saturation. The same solution can be adopted to smooth out irregularities in the substrate, such as grooves left by the roughing machine, to consolidate the base and ensure a guarantee of solidity.
- On new concrete with a setting time >28 days.

P.D.

- With this treatment the breathability of the coating is reduced.
- The tile bottoms must be roughened vigorously.
- The non adhered tiles must be eliminated, and restored with **Pavirapid**.
- The irregular surfaces can be smoothed by screeding with **Pavex-2C primer + Quartz**.

Pavistamp crete

Polyurethane resin-based mortar
self-leveling mortar

Application

- Prepare independently the mixture of Components **A+B+C**.

***As a mortar,**

Pack A+B+C: 31, 81 kg

***As a self-leveling,**

Pack A+B+C: 17 kg

- Pour comp.**A** into the comp.**B** container and mix with a whisk at low revolutions for 2 minutes, add comp.**C** (powder) and mix for at least 1 minute.

- To optimally disperse the product, it is advisable to pour the powder little by little, continuing to remix. Spread and distribute the mixture quickly with a trowel to the desired thickness.

Usage way



Mix components **A+B** with a whisk at low speed for at least 2 minutes, add component **C** (powder) and mix for approx. 1 minute, until perfectly homogenised.

The application can be done with a steel or rubber trowel.



Associated products

*Pavirapid

*Pavex-2C primer

*Quartz



Packaging

As a mortar: pack A+B+C - 31, 81 kg

As self-leveling: pack A+B+C - 17 kg

Color

Cement grey

Consumption

±2 kg/m² (1 mm thickness)

Preservation

In original closed container (5-35°C), protected from weather and humidity: 1 year

Component B, very sensitive to air humidity.

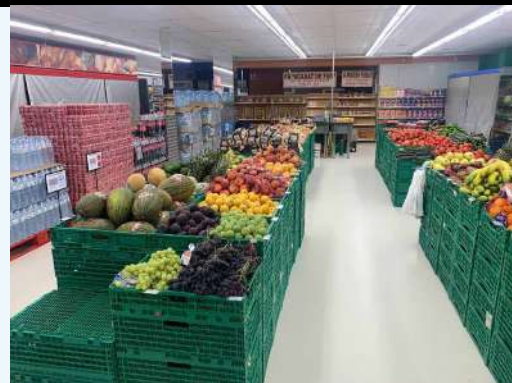
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Poliuretano alifático

Polyurethane with high chemical resistance

Two components painting with aliphatic polyurethane resin base.



Properties

- Highly flexible.
- Over cement bases.
- Excellent mechanical resistance.
- Color permanency.

Usage characteristics

- Mixture life: ±8 horas
- Dry touch: 6-8 horas
- To repaint: 8-12 horas
- Total dry : >24 horas

**These times are contemplated at 20°C and they can oscillate depending on the temperature ambient.*

Resistances table

(immersion tests, quick primer application of **Pavex-2C primer** with a thickness of 60 µm)

• Hydrochloric acid 10 & 20%	500 hours	Unaltered
• Sulfuric acid 10 & 20%	500 hours	Start oxidation
• Distilled water	8 months	Unaltered
• Sodium chloride at 3.5%	8 months	Unaltered
• Sodium hydroxide at 20%	15 days	Unaltered
• Ammonia	3 months	Regular
• Isobutyl acetate	8 months	Unaltered
• White Spirit	6 months	Well
• Saline fog 5% sodium chloride and 37 – 38°C	8 months	Unaltered
• Ambient: Humidity 100% & 40°C	3 months	Well

Performances (thickness 50 µm)

• Solids in volume (v/v):	51%
• Specific weight:	1.2-1.3 g/ml
• Viscosity 25°C in CF4:	100-120 sec.
• Aspect:	Painting
• Content in COV's:	441 g/l
• Hardness Persoz INTA 160263:	35 seg. (24 Horas)
• Flexibility r=3mm:	Complies
• Gridded adherence:	100%
• Direct impact: (ball 12,5 from 50 cm)	Cumple

**Content in COV's;

Limit value from UE for the product: <500 g/l (2010)

Enforcements

- Finish painting based on aliphatic polyurethane in 2 components, suitable for places where special performances are required.
 - High chemical resistance
 - For swimming pool protection
 - Indoors and outdoors

Supports

- **Microcement**, concrete, mortars, **Pavistone** thematic rock, terrazzo, ceramic...

Enforcement tips

- Application temperatures: 10-25°C.
- Over base completely dry and without any humidity <4%.
- Respect always the same dosage.
- Do not add any additive to the mixture.
- Do not apply with capillary rising humidity possibility.

Poliuretano alifático

Polyurethane with high chemical resistance

Execution conditions

- Always perform the application over surfaces that are dry, clean, without loadings, oils and other materials.
- Over smooth and nonabsorbent surfaces, before applying the primer, sand, open porous and vacuum deeply.
- Avoid painting with humidity presence.
- Over cementitious base **Microcement**, concrete, mortars... its setting has to be completed (≥ 28 days) and without humidity $< 4 \%$.
- Preparation of the surface with primer **Pavex Primer**.
- Avoid application with air streams, direct insolation, rain risk, frost and thaw.
- Outdoors the maximal application temperature will be always $< 25^{\circ}\text{C}$ measured over the surface to be treated.

Usage ways



Mix the 2 components homogeneously
The low viscosity from **Aliphatic Polyurethane**, allows the product to be applied in a pure state.

Application with roller, brush or pistol.

With pistol, previously diluted with a maximum 10% of **Polyurethane Diluting**. Interval between layers: 4-12 hours.

*Times may vary depending on weather conditions.



Packing

25 kg pack (A+B)

Colors

Colorless
(Other colors on demand)

Consumption

(with brush or curler)

1 kg: 10 – 14 m² (1 layer with 30 microns) and depending on the water absorption.

Preservation

In original closed container (20 °C) and sheltered from the elements and humidity: 1 year

Associated products

- Pavex-2C primer
- Microcement
- Pavistone
- Polyurethane Diluting

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Mortars for repair and assembly

Pavistamp mortars to repair concrete structures.

They have multiple utilities such as:

- Preventive maintenance, in those cases in which the injuries manifested in the concrete are minimal or nonexistent.
- The sanitation of damaged concrete, and regeneration of the same by specific products, in the case of obvious damage to the structure that do not involve loss of load capacity.
- Structural reinforcement in those cases in which the level of damage significantly limits the safety margins; or, in those cases that, for any reason (design errors, execution, change of preferred use of the structure, etc.) require an increase in the load-bearing capacity.

It is important to properly choose the mortar to be applied to ensure a correct repair of a concrete structure. Nowadays, it has been perceived that concrete is more vulnerable due to the environmental pollution that produces the emission of gases into the atmosphere and destroys the steel layer of its reinforcement. The phenomena of cracking and disintegration have their origin in the oxidation of the reinforcing steel with the consequent detachment of the concrete layer. It is important to promote the operations related to the concrete sanitation.

Grout fluid 100/70/60

Expansive fluid mortar for anchorings and filling

High resistances cement compound, selected arid, special additives and fiber reinforcement.



Product

- Fit for concrete screeds
- Easy to inject – easy to pump
- Controlled retraction mortar
- Immediately high resistance
- Armed with fibers

Observations

- With low temperatures, it must be used water over 18°C.
- On very hot weather time, do not expose the material to the sun and use cold water for the mixture.
- Do not add any additive to the mortar.
- Do not apply **Grout – fluid** over plasters or paintings surfaces.
- Do not add water when the mass starts the setting process.
- Do not apply where water can remain stuck.
- Once the **Grout - fluid** has been applied, it must be protected from the sun, wind ...

Characteristics

- Mixture life: 45 - 60 min. (20°C)
- Application thickness: 40 - 60 mm
- Opening time: >30 min.
- Start of setting: 90 – 150 min.

**These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

Mixing water (in laboratory)

- **GROUT 100:** 10%
- **GROUT 70:** 9/10%
- **GROUT 60:** 8%
- Apparent dust density: 1.4 g/cm³
- Mass density: 1.7 g/cm³
- Adherence for traction: ≥ 0,6MPa

Resistance to compression (28 days)

- **GROUT 100:** ≥95 N/mm²
- **GROUT 70:** ≥70 N/mm²
- **GROUT 60:** ≥60 N/mm²
- Chloride's determination: 0,05%
- Elasticity module in compression: ≥15 GPa
- Frost-thaw with salt immersion: >5 Mpa
- Capillary absorption: ≤0.5 kg /(m²xh⁰⁵)
- Behavior against fire: A1 euroclass

** These results have been obtained with standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- Filling by pouring under support and distribution plates.
- Filling of rigid joints between conventional and precast concrete elements.
- Anchors of metal elements (reinforcements, bolts, machinery...), metal and concrete posts.
- Supports of bridges and cranes, by casting under plates.

Supports

- On cement base like concrete, concrete block, resistant mortars.
- Indoors and outdoors.

Recommendations

- Application temperatures from 10-30°C.
- The water percentage can oscillate depending on the used mixer.
- In zones where the irons appear, clean with sandblast or with a metallic plane, cover with anti-corrosion mortar **Pavifer** and let it get dry at least 1 hour.
- Do not apply **Grout - fluid** over smooth concrete supports (before applying, milling and opening pore).
- Eliminate the deteriorated concrete, with possible release until obtaining a solid support.
- For refills superior to the indicated, add gravel maximum (6-12mm.) in proportion 2 to 1 gravel.

Grout fluid 100/70/60

Expansive fluid mortar
for anchorings and filling

Execution conditions

The supports must be healthy, stable, and resistant and without dust, plaster, painting ...

Eliminate the deteriorated concrete and in a degrading status until arriving to the solid, resistant, and wrinkled support.

Before the **Grout – fluid**, application, wet until saturation and apply when this free of water.

On structural reparations and with the armor appearance, clean with sandblast, eliminate the dust and cover with anti-corrosion mortar **Pavifer**, let it get dry at least 1 hour.

Avoid coating application with low temperatures, strong humidity, rain... in the following hours after application, the risk of appearance of carbonation efflorescence increases.

Usage way

Projected with machine:

- **GROUT 100:** 10% clean water
- **GROUT 70:** 9/10% clean water
- **GROUT 60:** 8% clean water

Manual kneading:

Mix a 25 kg bag with clean water until a homogeneous mixture is obtained.

- **GROUT 100:** ±2,5 l. clean water
- **GROUT 70:** 2 – 2,5 l. clean water
- **GROUT 60:** ±2 clean water



In zones where the iron armor appears, clean and apply anti-corrosion mortar **Pavifer, let it get dry at least 1 hour*

Associated products

- Pavifer
- Pavigrout-R4
- Pavigrout-R3
- Pavigrout-R2
- Pavigrout-fluid

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Packaging

25 kg sack
1200 kg pallet (48 sacks)

Color

Grey

Consumption

±1.4 kg/m² and mm. thickness

Preservation

In the closed original container and sheltered from outdoors and humidity: 1 year.

Final finish aspect



GREY

Putty high strenght

Reparation and refill filler

Filler formulated with high performances cements, selected grain size arid, additives and specific resins.



Product

- Normal setting.
- Excellent adherence.
- Controlled retraction mortar.
- High resistance.
- Over absorbent grounds.
- Without fissures.

Observations

- The support has to be without saltpeter, fungi...
- Do not add water when the mass starts its setting process.
- Do not apply where water can remain stuck.
- When necessary apply a second layer, apply before the first layer setting.

Characteristics

- Rest time after the kneading: 5 min.
- Mass life: 2 h. (20°C)
- Minimum thickness: 1 mm
- Thickness per layer: 5 mm
- Thickness to be filled: unlimited
- Setting start: >60 min.
- Setting final: >90 min.

** These times are contemplated with 20°C and can considerably oscillate depending on the ambient temperature.*

Performances

- Apparent dust density: 0,875 g/cm³
- Mass density: 1,250 g/cm³
- Kneading water: 31%
- Adherence on wood: ≥0,5 MPa
- Adherence on ceramic: ≥0,6 MPa
- Adherence on iron: ≥1 MPa
- Adherence on plasterboard: ≥0,13 MPa
- Compression 28 days: ≥9 N/mm²
- Flexural strength: ≥9 N/mm²
- Water absorption: ≥ 0,15 Kg/(m² · min0,5)
- Behavior against fire: A1 Euroclass

** These results have been obtained with standard conditions and they can oscillate depending on the workplace.*

Enforcements

- Specially indicated for reparation of all kind of brickwork damages.
- For rejoin, cavities and holes covering on cement and absorbent grounds.
- Cornices, built-in, partitions reparation...
- For esthetical reparation on concrete, wall, tunnels...
- Indoors and outdoors.

Supports

- Concretes and cement mortars.
- Brick partitions, stone ...
- Semi-absorbents grounds.

Enforcement tips

- Application temperatures from 5 - 30°C
- The water percentage can oscillate depending on the used mixer.
- Do not add any product to the mortar
- Do not apply on a continuous hot weather, as the product could lose its performances.
- It is not advisable product application on paintings, old plasters, deteriorated surfaces... that can become detached with the mortar application.
- Do not use through paste for fillings.
- Do not apply on nonabsorbent grounds.

Putty high strenght

Reparation and refill filler

Execution conditions

- The supports have to be healthy, stable and resistant, without dust, plaster, painting...
- Eliminate the deteriorated parts and in a degrading status, until arriving to the solid support, resistant and absorbent.
- The dusty nature facings have to be consolidated with **F-600** or **Silicato**.
- All the zones subjected to tensions (expansion joints, meeting from different materials...) have to be reinforced with glass fiber or metallic mesh.
- Over nonabsorbent facings, very smooth or few absorbent, strip and open the porous in order to ensure a good adherence.
- Avoid coating application with low temperatures, strong humidity, rain... in the hours following the mortar application the efflorescence by carbonation appearance risk increases.

Usage way

- Kneading:
Mix a sack with (20 kg) with 6-7 clean water liters until obtaining a homogeneous mass without lumps.

Use the product within its use life, once this time is over the product could lose its initial performances.

Recover with permeable paintings and alkalinity resistant.

Associated products

- *F-600
- *Silicate hardener
- *Putty renovation
- *Putty standard



Packaging

20 kg sacks
960 kg pallet (48 sacks)

Colors

White

Consumption

1 – 1,4 kg/m2 and mm thickness

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

⚠ IMPORTANT

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Putty special pool

Adhesive paste for stuffing and reparation

High resistance cement compounds, selected grain size arid, resin and special additives.



Product

- Special beach sand on swimming pools.
- On floors and walls.
- Excellent adherence.
- Controlled retraction.
- Anti-slip beach system.
- Over absorbent grounds.

Observations

- Do not apply in direct sunlight and wind.
- The support has to be without saltpeter, fungi...
- Do not add any product to the mortar
- Use the product during its use life, after this time it could lose its initial performances.
- Do not apply with humidity >4% or with capillary rising.

Characteristics

- Rest time after the kneading: 3 min.
- Mass life: 2h (20°C)
- Application time: 90 min.
- Minimum thickness: 1 mm
- Thickness perlayer: 1-2 mm
- Thickness to refill: Depending on the projected arid
- Setting start: 2 hours depending on the thickness and climatology.

** These times have been contemplated with 20°C and they can considerably oscillate depending on the ambient temperature.*

Performances

- Apparent dust density: 0.875 g/cm³
- Mass density: 1.250 g/cm³
- Kneading water: 30 %
- Adherence on wood: ≥ 0.5 N/mm²
- Adherence on Concrete: ≥ 1 N/mm²
- Compression 28 days: ≥ 25 MPa
- Flexural strength: ≥ 5 MPa
- Water absorption: ≤ 0.004 g/cm²
- Abrasion wastage resistance: ≤ 15 mm.
- Behavior against fire: A1 Euroclass

** These results have been obtained with standard conditions and they can oscillate depending on the workplace.*

Enforcements

- For sand base screeds projected on swimming pools and recreational area.
- Indicated for restoration and decoration of all kind of floor and facades with a minimum thickness
- For rejoin and refill of holes, cavities over cement or absorbent grounds.
- For esthetic reparations over concrete, walls, tunnels...
- Indoors and outdoors

Supports

- Concretes and cement mortars.
- Brick partitions, stone ...
- Semi-absorbents grounds.

Enforcement tips

- Application temperatures between 10 - 25°C, measured on the surface to be coated.
- The percentage of water may vary according to the mixer used.
- During mixing, always respect the same proportion of water, to avoid color variations.
- With very intense and dark colors, avoid application at low temperatures to prevent the appearance of efflorescence.
- Do not apply with extreme temperatures, high humidity, rain or with risk of frost, nor on frozen or recently thawed surfaces.
- Avoid the application of the product on paintings, old plaster... that can detach with the application of the mortar.
- Do not use by casting for fillings.

Putty special pool

Adhesive paste for stuffing
and reparation

Execution conditions

- The supports have to be healthy, stable and resistant, without dust, plaster, painting ...
- Over nonabsorbent facings, very smooth or few absorbent, mill or open porous and apply 1-2 joining bridge coats **Unicem 2C, Pavimper 2c...** in order to secure a good adherence.
- The dusty nature facings have to be consolidated with **Silicato hardener** or **F-600**.
- All the zones subjected to tensions (expansion joints, meeting from different materials...) have to be reinforced with glass fiber or metallic mesh.
- When necessary, apply a second layer before the first layer setting.
- Avoid coating application with low temperatures, strong humidity, rain... in the hours following the mortar application the efflorescence by carbonation appearance risk increases.
- On swimming pools do not apply with direct insolation, strong wind, rain risk...

Usage way

Kneading :

A sack Masilla especial piscinas, (25 kg) with 6-7 clean water liters until obtaining a homogeneous mass without lumps.

Once the product is applied, at the setting start project the arid and press it with a trowel help in order to obtain the desired finish.

Seal with high performances painting **Orfapol Colorless** and humidity <4%.

Chemical resistances

Hydrochloric acid 20%	500h.	Resists
Sulfuric acid 30%	500 h.	Starts oxid.
Distilled water	8 months	Resists
Chlorinated water 45 g/m3 Cl2)	2 months	Resists
Ammonia	3 months	Resists
Sodium hydroxide 20%	15 days	Resists
Humidity chamber 100% 40°C	3 months	Resists

Associated products

- *F-300
- *Pavex primer system
- *F-600
- *Silicate hardener
- *Orfapol colorless
- *Orfapol-50

! IMPORTANT

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Packaging

20 kg paper sacks, anti-humidity
960 kg pallet (48 sacks)

Colors

White. Others on demand

Consumption

0,4-0,8 kg/m2 and mm thickness
depending on the support

Preservation

In original closed container, and sheltered from outdoor and
humidity: 1 year

Putty standard

For polyvalent use

Filler compound with selected products from the quarry, resin and specific additive



Product

- Thin impeccable aspect.
- Excellent adherence.
- Easy to sand.
- Great smooth capacity.
- Over absorbent grounds.
- Without fissures.

Observations

- The support has to be clean and sanitized, without humidity, dust and particles.
- In order to improve the adherence it is advisable to fix previously the easily friable zones with a quick primer **F-300** (1 to 2 water parts).
- Do not apply on a permanent hot weather, as the product could lose its performances.

Characteristics

- Rest time after the kneading: 1min.
- Mass life: 5h (20°C)
- Application time: 60 min.
- Minimum thickness: 0-2 mm.
- Drying: 2 hours (20°C)
- Repainting: 4 hours (with humidity <4 %).

**These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Apparent dust density: 0,875 g/cm³
- Kneading water in laboratory: 35 %
- Mass density: 1,270 g/cm³
- Adherence :
 - Over Concrete: ≥ 0.80 MPa
 - Over Ceramic: ≥ 0.29 MPa
 - Over Wood: ≥ 0.17 MPa
 - Over Plasterboard: 0.10 MPa
- Behavior against fire: A1 Euroclass

** These results have been obtained with standard conditions and they can oscillate depending on the workplace.*

Enforcements

- Indoors filler for polyvalent use adequate also to refill as to smooth cracks, cavities, breaches, etc.
- For renovation and/or wall sanitize, supports leveling and smooth walls with damages (gratings, cracks, hits, peelings, holes, etc.).
- Specially indicated to regularize popcorn finish walls.
- Allows the thin layer smooth, leaving a smooth and white finish, in a way that it can be left as a finished layer before painting
- Posterior sanding facility leaving a totally thin and homogenous aspect.
- Indoors.

Supports

- Cementitious, plaster or cast with imperfections or irregularities, popcorn finish.

Enforcement tips

- Application temperatures from 8 - 30°C.
- The water percentage can oscillate depending on the used mixer.
- Do not add any product to the mortar.
- Avoid product application over brittle paintings, old plasters... that can become detached with the filler application.
- Do not apply over nonabsorbent grounds.

Putty standard

Filler compound with selected products from the quarry, resin and specific additive

Execution conditions

- The support has to be hard, dry, clean and cohesive.
- The support has to be healthy, clean and without humidity. If the support is friable or brittle, it has to be consolidated with **F-600** or **Silicato hardener**.
- The old supports integrated by dead plasters or bad adhered parts have to be eliminated.
- Avoid fatigue supports restoration without a previous sanitation.
- Eliminate the deteriorated parts and in a degradation status, until arriving to the solid, resistant and absorbent support.
- The dusty nature facings have to be consolidated with **F-300**.
- Over nonabsorbent facings, very smooth or few absorbent, strip and open the porous in order to ensure a good adherence.

Usage way

Mix a sack Masilla Estándar, (15kg) with 5-6 clean water liters until obtaining a homogeneous mass without lumps.

- Use the product within its use life, once this time is over the product could lose its initial performances.
- The smooth will be performed vertically from down till up with a wide palette, placing material and removing the remaining trying to smooth and cover all the surface defects.
- The junctions will be made on the opposite direction, from up until down.
- After drying, sand the possible roughness and then apply another plaster layer horizontally from right until left, taking the junctions from left until right. Finally, after this second layer drying, the surface without imperfections has to be sanded and prepared for painting when necessary.

Associated products

- *F-600
- *F-300
- *Silicate hardener
- *Putty high strength
- *Putty renovation



Packaging

15 Kg sacks
720 kg pallet (48 sacks)

Colors

White

Consumption

±1 kg/m² and mm thickness

Preservation

In original closed container, protected from weather and humidity.

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Multipurpose putty

To prepar - repair walls and ceilings rapidly

Mastic formulated based on acrylic copolymers and aggregates of medium granulometry.



Product

- Do not pick up
- Fast dry
- Excellent adhesion
- Controlled retraction
- High resistance
- Without fissure

Observations

- The support must be without saltpeter, fungi...
- Do not add water when the mass starts its setting process.
- Do not apply where water can remain stuck.
- When necessary, with touch drying, apply a second coat.

Characteristics

- Rest time after kneading: 5 min.
- Life of the dough: ± 30 min. (20°C)
- Minimum thickness: 1 mm
- Thickness to fill: unlimited
- Start of setting (20°C) :> 60 min.
- Paintable: > 4 hours

**These times are contemplated with 20°C and can considerably oscillate depending on the ambient temperature.*

Performances

- Apparent dust density: 1,01 g/cm³
- Mass density: 1,250 g/cm³
- Kneading water: 28% \pm 2%
- Adherence on wood: $\geq 0,5$ MPa
- Adhesion on Ceramic: $\geq 0,6$ MPa
- Adhesion on Pladur: $\geq 0,13$ MPa
- Adhesion on concrete: ≥ 1 MPa
- Behavior against fire: A1 Euroclass

** These results have been obtained with standard conditions and they can oscillate depending on the workplace.*

Enforcements

- Specially indicated for the repair of all types of masonry damage.
- On any surface of plaster, cement, concrete, wood ...
- For the placement of gypsum or plaster partitions.
- To prepare and repair walls and ceilings covering imperfections such as cracks or crevices, holes ...
For aesthetic repairs on concrete, walls, tunnels ...
- For smoothing quickly in thin layer, as finishing before painting.
- Supports universal dyes to water, maximum 5%.
- Indoor.

Recommandations

- Application temperatures from 5 - 30°C
- The water percentage can oscillate depending on the used mixer.
- Do not incorporate any product into the mixture.
- It is not recommended to apply the product on paints, old plasters, that can be easily peeled off.
- Do not use through paste for fillings.
- Do not apply on nonabsorbent surfaces.

Multipurpose putty

To prepar - repair walls and ceilings rapidly

Execution conditions

The supports must be healthy, stable and resistant, free of dust, grease, wax.

Remove the deteriorated parts (paints, plaster, mortar) and in a state of degradation, until reaching the solid, resistant and absorbent support.

On very absorbent substrates, prime before application with **F-300**.

Protect the metal parts with **Pavifer** (anti-corrosion mortar).

All areas subject to stress (expansion joints, encounters of different materials...), must be reinforced with fiberglass or metal mesh.

On walls without absorption, very smooth or little absorbent, sand and opening pore to ensure good adhesion.

Usage way

Kneading:

Mix a sack with (20kg) with 5, 5 -6,5 clean water liters until obtaining a homogeneous mass without lumps.

Application:

With smooth trowel or steel spatula. Using the product within its useful life, after this time could lose initial benefits

Recover with steam permeable paintings and alkalinity resistant.

Associated products

*F-300

*F-600

*Silicate



Packaging

20 kg sack
960 kg pallet (48 sacks)

Color

White

Consumption

0,9 – 1,1 kg/m2 and mm thickness

Preservation

In original closed container, and sheltered from outdoor and humidity: 1 year

⚠ IMPORTANT

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Renewal putty

For fine coating

Hydraulic liantss, loads, copolymers and specific additives.



Product

- Good workability.
- Great covering power.
- Excellent adherence.
- Without pickup.
- Over absorbent grounds.
- Without fissures.

Observations

- The support has to be without saltpeter, fungi ...
- Do not add water when the mass starts its setting process.
- When necessary apply a second layer, apply before the first layer setting.
- Do not apply on a continuous hot weather, as the product could lose its performances.

Characteristics

- Rest time after the kneading: 1min.
- Mass life: 60-90 minutes (20°C)
- Application time: 70 min.
- Minimum thickness: 1 mm.
- Thickness per layer: 1-2 mm.
- Drying: 5-6 hours
- Repainting: 12 hours

**These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Apparent dust density: 0,875 g/cm³
- Mass density: 1,270 g/cm³
- Kneading water: 30 %
- Adherence:
 - Over concrete: ≥ 0.8 MPa
 - Over Ceramic: ≥ 0.25 MPa
 - Over Wood: ≥ 0.15 MPa
 - Over Plasterboard: ≥ 0.1 MPa
- Behavior against fire: A1 euroclase

** These results have been obtained with standard conditions and they can oscillate depending on the workplace.*

Enforcements

- Indoors filler for thin plaster on supports like castes and/or cementitious support.
- Specially indicated for wall renovation and/or sanitize, supports leveling, and smooth walls with damages (gratings, cracks, hits, peelings, holes, etc.)
- Great posterior sanding easiness leaving a total fine and homogeneous aspect.
- Indoors.

Supports

- Cementitious, plaster, or cast with imperfections, popcorn finish.

Enforcement tips

- Application temperatures from 8 - 30°C.
- The water percentage can oscillate depending on the used mixer.
- Do not add any product to the mortar.
- It is not advisable product application on brittle paintings, old plasters ... that can become detached with the filler application
- Do not apply on nonabsorbent grounds.

Renewal putty

For fine coating

Execution conditions

- The support has to be hard, dry, clean and be cohesive and without humidity.
- If the support is friable or brittle, it has to be consolidated with **F-600** o **Silicate** hardener.
- The old supports integrated by dead plasters or bad adhered parts have to be eliminated.
- Avoid fatigue supports restoration without a previous sanitation.
- Eliminate the deteriorated parts and in a degradation status, until arriving to the solid, resistant and absorbent support.
- The dusty nature facing shave to be consolidated with **F-300**.
- Over nonabsorbent facings, very smooth or few absorbent, strip and open the porous in order to ensure a good adherence.

Usage way

Mix a sack **Renewal putty** (15kg) with 4-5 clean water liters until obtaining a homogeneous mass without lumps.

- Use the product within its use life, once this time is over the product could lose its initial performances.
- The smooth will be performed vertically from down till up with a wide palette, placing material and removing the remaining trying to smooth and cover all the surface defects.
- The junctions will be made on the opposite direction, from up until down.
- After drying, sand the possible roughness and then apply another plaster layer horizontally from right until left, taking the junctions from left until right. Finally, after this second layer drying, the surface without imperfections has to be sanded and prepared for painting when necessary.

Associated products

- *F-600
- *F-300
- *Silicate hardener
- *Putty high strength
- *Putty standard



Packaging

15 Kg Sacks.
720 kg pallet (48 sacks).

Color

White

Consumption

0.8 - 1 kg/m² and mm thickness

Preservation

In original closed container, protected from weather and humidity.

! IMPORTANT

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Refractory mortar

For the refractory brick mounting

Special cements, additives, siliceous arid and other.



Properties

- Mortar for mounting and rejoin.
- High temperatures resistant.
- Ideal for refractory bricks placement.
- High performances.

Observations

- In the first operating disposal, it is advisable to perform a slow warming.
- Gradually (8-10hours) increase until the recommended temperature.

Characteristics

- Rest time after the kneading: 2 min.
- Mass life time: ± 40 minutes
- Correction time: ± 20 minutes
- Setting start: 4-5 hours
- Start up: 4-5 days

** These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Dust density: 1.6 g/cm³
- Kneading water: 12%
- Retraction: < 0.7 mm/m
- Adherence over concrete: $\geq 2,5$ MPa
- Adherence over ceramic: $\geq 0,8$ MPa
- Flexural strength: ≥ 10 N/mm²
- Compression: ≥ 90 N/mm²
- Elasticity module: 45000
- Thermal resistance maximum temperature: 1000 °C
- Salt or acid water resistance: without defects
- Behavior against fire: A1 Euroclass

** These results have been obtained with standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- Special mortar for refractory brick mounting and anchoring, massif concrete block, terracotta that are submitted to high temperatures. Barbeques, firewood ovens, chimneys...
- For the mounting and rejoin in brick work Work sin contact with aggressive or acid waters, alimentary industry, drain pipelines, sanitations and industrial wastes.
- Indoors and outdoors.

Recommendations

- Application temperatures from 5 -30°C.
- The water percentage can oscillate depending on the used mixer.
- Do not add any product to the mortar
- Do not apply the mortar with rain risk, frost or strong wind.
- Do not apply with direct insolation.

Refractory mortar

For the refractory brick mounting

Execution conditions

The support has to be healthy, clean and without greases, oils...

Clean the pieces to be used, in order to secure a good adherence.

With high temperatures or strong wind, moisten previously the support.

It is recommended to moisten the mortar in the following 24 hours to its application.

Usage way

Mix a sack (25 kg) with 3 – 4 clean water liters, until obtaining a homogeneous mass without lumps.

Apply the mortar with the adequate tool on regular and continuous thicknesses.

Before the setting start, smooth with a joint palette.



Packaging

25 kg sacks
1200 kg pallet (48 sacks)

Color

Dark grey
Others on demand

Consumption

15 – 20 kg/m² and cm thickness

Preservation

In original closed container, and sheltered
from outdoor and humidity: 1 year

⚠ IMPORTANT

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Pavicem-HD

Renewal of surfaces

Resistant to salts

Special cement, mineral loads, additives, resins and pigments.

Micro-cement

1-2 mm
THICKNESS



Product

- Resistant to immersion salts.
- High chemical resistance.
- Continuous coating.
- Without joints
- Waterproof and breathable.
- Indoors and outdoors.

Observations

- Do not add water or any other additive to the mortar.
- Treat the singular zones (fissures...) with glass fiber mesh.
- Do not apply directly over brick enclosure, concrete block...
- Do not apply Pavicem-HD with water capillarity rising possibility.
- Do not apply on surfaces with humidity >4%.
- This product is not resistant to acids, aggressive cleaners, bleaches aggressive direct contact (outside the skimmer) with pool water.

Characteristics

- Mixture life: ±30 minutes
- Opening time: ±15 minutes
- Maximum thickness: 0.1- 2 mm
- Maximum thickness per layer: 0.5- 1 mm
- Dry touch: from 2-4 hours
- Operating disposal: ≥ 48 hours

**These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Mass density: 1.1 g/ cm³
- Adherence UNE-EN 1015-12 : 0,98 N/mm²
- Abrasion wastage: ≤15 mm
- Capillarity water absorption: 0.003 g/cm²
- Frost-thaw with defrosting salts: 0,02 kg/m²
- Behavior against fire: A1 Euroclass

**All the information described has been obtained with standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- Colored micro cement for swimming pools renovation, floor coating... with high chemical resistance and salt resistant.
- Outdoors and indoors.
- Minimum thickness (1-2 mm).
- Continuous coating without joints.

Supports

- Over **Pavicem Thick**, tiled, plasterboard, marble, wood, glass...

Finishing

- Smooth, wrinkled, as a painting.
- Venetian type, marbled, wood...

Recommendations

- Application temperatures from 10°C to 30°C.
- Respect always the same percentage **Acrylcem** during the mixture.
- Do not add water to the product.
- Respect the expansion joints and retraction joints.
- Do not apply with frost risk, direct insolation, strong wind or with rain.

Pavicem-HD

Renewal of surfaces
Resistant to salts

Execution conditions

On cement bases, these must be flat and clean, without grout remains, release agents...

Mortar base, concrete...setting (≥ 28 days) and with humidity $< 4\%$.

Once the surface is leveled and ready, apply micro cement **Pavicem-HD** at a rate of 0,5 mm per pass, until obtaining the desired thickness and effect.

Between passes, sand, polish and vacuum the irregularities until obtaining the desired texture.

Over nonabsorbent surfaces, sand and open pore and if necessary before coating apply 1-2 quick primer pass **F-300**.

Outdoors, do not apply with direct insolation, wind, rain risk or frost-thaw possibility.

Avoid application with low temperatures in the hours following the mortar application increases the carbonation efflorescence appearance risk.

Usage way

Mixture ratio: 2 to 1.

* 2 parts **Pavicem-HD**

* 1 part **Acrylcem**

Mix the 2 components during 5 minutes with the indicated whisk, with low revolutions until obtaining a homogeneous mass, workable and without lumps.

Let stand 2 minutes.

Apply in 0,5 mm **Pavicem- HD**, coats, until obtaining the desired effect.

Once the surface is completely dry >10 days and with humidity $<4\%$, apply 1 – 2 coats with sponge the sealer **Pavi-crème**.

*** Between passs, polish with a wool disk.*

*** Repeat the process so many times as necessary, until obtaining the desired effect.*

Associated products

*Acrylcem

*Pavicem thick

*F-300

*Pavi-crème



Packaging

15 kg drum
405 kg Pallet (27 drums)

Color

56 colors chart
(Others on demand)

Consumption

(1 pass)
Pavicem-HD $\pm 0,2$ kg/m²
Acrylcem $\pm 0,1$ kg/m²

*These consumptions can oscillate depending on the support and coats number.

Preservation

In original closed container, and sheltered from outdoor and humidity: 2 years

⚠ IMPORTANT

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Pavifer

Anti corrosion mortar

Special cement, micronized arid, fibers, additives and resins.

Product

- Passivator of cement base armours
- Excellent protection for the steel bars
- Easy application
- Without retraction

Execution conditions

- The supports must be healthy, stable, resistant and without dusts, greases, oils...
- Eliminate the deteriorated concrete with chipping and mechanical sanitation, until obtaining a healthy surface to receive **Pavifer**.
- With oxidized armours proceed with a mechanical cleaning (sandblast) until the total non-adherent oxid elimination.
- Acts as a joining bridge to receive **Pavigrout**.
- Pavifer cannot remain seen.
- Indoors and outdoors

Performances

- Apparently dust density: 1.3 g/cm³
- Kneading water: $\pm 25\%$
- Mass density: 1.5 g/cm³
- Paste life: ± 30 minutes
- Time between layer and layer: 3-4 hours (20°C)
- Total setting : ≥ 24 hours (20°C)
- Behavior against fire: A1 Euroclass

**The times and performances are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Usage way

Knead **Pavifer** with 20% clean water / 5% **F-300** until obtaining a fluid mass without lumps.

The water percentage can oscillate depending on the used mixer.

Apply with a brush, in a thickness of 2-3 mm per pass.

Associated products

*Pavigrout

*F-300

⚠ IMPORTANT

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Packaging

1 and 5 kg drums

Colors

Black

Consumption

± 0.2 kg de mortar/m²
(Steel bar with 14 mm)

Preservation

In the closed original container and sheltered from outdoors and humidity: 6 months

Pavifix track cover

Mortar for anchors and water leaks

Special cement, selected grain size arid, resins, and instant setting additive.



Product

- Quick setting in few seconds.
- Waterproof and resistant.
- Without chloride.
- Without retraction.
- Can be applied in coatings.

Observations

- Not fit to refill great surfaces.
- Use rubber gloves.
- Do not resist support fissures.

Characteristics

- Kneading time: less than: ± 1 minute
- Setting start: from 30 to 60 seconds.
- Setting final: from 1 to 6 min.
- Waiting time for coating: 24-48 hours
- Application thickness: from 2 to 10 cm.

**These times are contemplated with 20oC and they can oscillate depending on the ambient temperature.*

Performances

- Dust density: 1.15 g/cm³
- Kneading water: 18-28 %
- Mass density: 1.75 g/cm³
- P.H.: 12
- At 15 % water;
- Flexural strength 7 days: ≥ 6 Nmm²
- Compression 7 days: ≥ 23 Nmm²
- Flexural strength 15 days: ≥ 7 Nmm²
- Compression 15 days: ≥ 27 Nmm²
- Flexural strength 28 days: ≥ 7 Nmm²
- Compression 28 days: ≥ 27 Nmm²
- Traction adherence 15 days: ≥ 1 MPa
- Behavior against fire: A1 Euroclass

** These results have been obtained with standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- Shutter mortar with quick setting to stop water tracks.
- Cracks, cellars, deposits.
- Even with elevated pressures.

Supports

- Cement base, concrete, concrete blocks.
- Indoors and outdoors.

Anchorage mortar

- For quick anchorages.
- Tubes, fences, handrails...

Recommendations

- Application temperatures from 5°C to 30°C.
- The water percentage can oscillate depending on the used mixer.
- Sanitize the zone to be shuttered to obtain frank overtures.
- Do not apply with frost risk.
- On an event of important or high pressure, leaks stop up in successive phases.
- For preventive treatment, moisten abundantly the support.

Pavifix track cover

Mortar for anchors and water leaks

Execution conditions

- The supports have to be healthy, stable, resistant and without dusts, greases, oils ...
- Eliminate the deteriorated concrete with chipping and mechanical sanitation, until obtaining a healthy surface to receive **Pavifix Track Cover**.
- On zones where the armor iron appears, clean with sandblast or with a metallic plane and cover with mortar **Pavifer**.
- Over very smooth or few absorbent concrete apply in situ a quick primer layer **F-300**.
- Moisten the support before applying the mortar.
- The leaks or fissures have to be opened at least with a wide and depth of 2-3 cm forming straight edges.
- Eliminate the disaggregating zones and poor in cements.
- Clean with pressure water or metallic plane.

Usage way

As tracks cover:

- Knead with 18% cleanwater in little quantities, with your hands protected with gloves.

As mortar:

- Knead with $\pm 28\%$ clean water, until obtaining a homogeneous mass and without lumps.

At the hardening start from **Pavifix Track Cover** (30-60 seconds) press the paste in the water channel or fissure during some minutes (1 to 5 min).

For anchorages knead with 25-30% water until obtaining a homogeneous mass without lumps.

Associated products

- *Pavifer
- *F-300



Packing

- 5 kg drum
- 25 kg sack

Colors

- Cement grey

Consumption

- 1.5 - 2 kg/m² and mm thickness

Preservation

- In the closed original container and sheltered from outdoors and humidity: 6 months

! IMPORTANT

The observations and prescriptions of this data sheet, although corresponding to our best experience, should be considered, in any case, purely indicative, and should be tested by exhaustive practical applications; therefore, before using the product, the user must establish whether or not it is suitable for the intended use, and assumes all liability that may arise from its use. Once the product has been handled or applied, the manufacturer shall not assume any claim whatsoever, nor any liability as to the manner, mode and conditions of application.

Paviglass Barrier Coat

Fast setting crystalline waterproofing mortar

Description

Paviglass barrier coat, is a mortar fast setting waterproofing, especially designed to make plasters and/or membranes waterproof, as well as repairer of cracks, holes and joints in the concrete.

Contains a Hydrophilic-Catalytic technology based on Geopolymers and reacting active ingredients chemically with concrete forming millions of insoluble crystals, which fill pores, capillaries and seal the cracks of the concrete, blocking the passage of the water.

It is mixed with water and a plastic mortar is obtained that immediately stops leaks or leaks of water flowing through the pores and cracks in concrete or masonry, creating a watertight and completely waterproof seal, which continues to harden until it reaches very high resistances.

It is the first product or basic product to be applied in the repair system of existing concrete structures (**Paviglass Dry System**), which present water leaks, as well as for the sealing of construction joints, or for the repair of cracks with filtration, defective construction joints and others defects.

Properties

- Especially suitable for stopping water leaks superficial, as it seals them immediately.
- Applicable on wet surfaces that present "sweating"
- Waterproofs both positive and negative pressure.
- Suitable for concrete constructions and masonry.
- Protects armor against corrosion
- Compressive strength higher than that of one's own concrete.
- Withstands wear or surface abrasion.
- Permeable to water vapor
- Suitable for use in contact with drinking water.

The active geo-polymers are dispersed in the substrate through moisture and through a process called molecular diffusion, reacting with the existing moisture and the components of the hardened cement to cause a catalytic reaction.

This reaction generates an insoluble formation of crystallization through the pores and capillaries of the concrete, as well as cracks, permanently sealing concrete and preventing the penetration of water and other liquids from any direction, even in conditions high hydrostatic pressure.

Is an active part of the support on which it has been applied, as it acts continuously and for life in the presence of water or humidity.

Joint treatment

The joints between the different concrete elements that make up the slab-slab structure, wall-wall, slab-wall, pipe steps, through holes (sprats), etc., must be treated in accordance with our recommendations according to the Technical Bulletin of Application (BTA-1027) (TJS) **Paviglass joint system**.

Conditions of execution

"SLURRY", for waterproof grouts:

- The mixing ratio is 5 parts powder for 2 part of water, always in volume.
- You should only prepare the quantity you can use during the 10 minutes following the mixture, since the setting is very fast.
- Apply a first layer on the surface previously moistened, with a brush or roller, it is important to perform it is first layer in the same direction.
- When the first layer is starting to dry, apply a second layer in a cross-direction to the previous one. It's not it is necessary to moisten the first one, unless the ambient temperature outside very high, in that case you must spray the applied surface with water to facilitate hydration of the product.
- You can apply as many layers as necessary up to achieve the desired thickness.

Cleaning

Tools and work tools in a fresh state they can be cleaned with water. If the material is hardened can only be cleaned mechanically.

Technical data

- Appearance: gray powder
- Bulk density: 1.286 gr/lit.
- pH: 13 (aqueous solution)
- Penetration into concrete: 2mm/month
- Initial Curing at 25 °C: 20 minutes
- Compressive strength: 45 Mpa
- Tensile strength: 3 Mpa
- Flexural strength: 7 Mpa

** These results have been obtained under standard conditions and may vary depending on the commissioning.*

Applications

Especially suitable for:

- Concrete brick factories
- Hydraulic structures, canals, aqueducts...
- Tunnels and mining
- Basements, car parks, elevator pits...
- Docks and bridges
- Screen walls, slabs, or concrete
- screeds.
- Prefabricated concrete elements.
- Gunned concrete
- Swimming pools and aquariums, treatment plants and/or desalination
- Drinking water tanks
- Constructive cold joints.

Paviglass Barrier Coat

Fast setting crystalline waterproofing mortar

Specifications and form of application

- The concretes to be treated must be clean and with the open pore.
- Remove surface grouts, loose parts or disintegrated, dust, dirt, greases, release agents, paintings, etc.
- It is recommended to clean with sandblasting, water to pressure, steel barb brush, mechanical brushing with needle gun, etc.
- It is advisable to start the mixture with a part of the intended water and homogenize the product at low speed for a few minutes. Always follow the powder on water method, never water on dust.
- Later the rest of the water will be added until obtain the required fluidity, mixing for some minutes.
- The mixture will be made with slow electric whisk or with a glass mixer, for a few minutes and, in in any case, until a fluid, homogeneous paste is obtained, without lumps and with the consistency required for each case.

“**DRY PACK**”, for waterproof plasters:

- The mixing ratio is 4 parts paviglass barrier coat, for 1 part of water, always in volume.
- You should only prepare as much as you can use during the 10 minutes following the mixture, already that the setting is very fast.
- Before the application of **Paviglass barrier coat**, the support must be moistened to saturation, without waterlogging.
- Apply a first layer about 2 mm thick, pressing the material firmly against the support to ensure adherence, then with the help of of a metal trowel, apply the successive layers and required up to a maximum thickness of 15 mm per cloak.

Important:

- In the event of abundant water outlets, the powder mortar directly on the surface to be sealed, by direct sprinkling on the surface, being the water from the leak that reacts with the mortar.
- In the case of leaks and significant water flows, first use **Paviglass plug**, for stop the waterway and then perform the treatment.
- Once **Paviglass barrier coat** has been placed, and before it has completely hardened, remove the excess material to make up the surface.
- High temperatures decrease working time, low temperatures delay it.
- After having correctly applied the mortar, apply the surface treatment (PDS). **Paviglass dry system**, to complete waterproofing on existing structures.
- For more information on applications, see the Technical Bulletins **Paviglass concrete**.

! IMPORTANT

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Packaging

Bag of 25 kg
Pallet (48 bags) 1200 kg

Color

Gray

Consumption

As a mortar: 0.5-08 kg/m² (1 layer)
As a joint filler: ±2 kg (depending on depth)

Conservation

Original container closed, free from weather and humidity: 1 year

Health and safety

Paviglass barrier coat is an alkaline product, contains cement.



- Irritates the skin, eyes and airways
- Avoid contact with eyes and skin.
- Use labor protection measures, such as mask, gloves and goggles.
- Keep out of reach of children.
- More information, see safety data sheet (FDS)

Paviglass Base Coat

Crystalline chemical treatment on the surface

Description

Paviglass base coat, is a chemical treatment for the repair, waterproofing and protection of existing concretes.

Is a compound in the form of a dry mortar, based on portland cements, siliceous sands of selected granulometries and active chemical additives that is applied as a cementitious mixture on the surface, previously saturated with water, in existing structures both above and below ground level.

Common applications

Especially indicated in:

- Concrete brick factories
- Hydraulic structures
- Tunnels and mining
- Basements and car parks
- Docks and bridges
- Screen walls, slabs, or concrete screed.
- Prefabricated concrete elements
- Gunned concrete
- Swimming pools and aquariums, treatment plants and/or desalination
- Canals and aqueducts
- Drinking water tanks
- Elevator pits
- Constructive cold joints

Properties

- Stops water leaks into the concrete at both negative and positive pressure.
- Seals and waterproofs crack up to 0.7 mm under optimal concrete design conditions.
- Increases the compressive strength of the concrete.
- Protects reinforcement reinforcements against corrosion.
- Total and permanent waterproofing becomes an integral part of the concrete.
- Waterproof protection increases over time, thanks to its Hydrophilic-Catalytic technology.
- Gives concrete excellent resistance to the attack of sulfates and chlorides.
- It is not affected by wear or surface abrasion.
- Excellent resistance to hydrostatic pressure at both positive and negative pressure. 140 m.c. a.
- Suitable for use in contact with drinking water.
- Completely replace conventional waterproofing systems.

Joint treatment

The joints between the different concrete elements that make up the slab-slab structure, wall-wall, slab-wall, pipe passages, through holes (sprats), etc., must be treated according to our recommendations according to the Technical Bulletin of Application (BTA-1027) (TJS).

Paviglass joint system.

Benefits

The active geo-polymers of mortar, are dispersed in the substrate through moisture and through a process called molecular diffusion, reacting with the existing moisture and the components of the hardened cement to cause a catalytic reaction.

This reaction generates an insoluble formation of crystallization through the pores and capillaries of the concrete, as well as cracks, permanently sealing the concrete and preventing the penetration of water and other liquids from any direction, even in conditions of high hydrostatic pressure.

Is an active part of the support on which it has been applied, since it acts continuously and for life in the presence of water or moisture.

Cleaning

Tools and work tools in a fresh state can be cleaned with water. If the material is hardened, it can only be cleaned mechanically.

Technical data

Aspect	Gray powder
Bulk density	1202 gr/lt
pH (aqueous solution)	13
Penetration into concrete	10 mm/month
Initial Curing at 25 °C	60 minutes
Hydrostatic pressure resistance	140 mca
Self-sealing cracks	0,7 mm
Mixture dosage	
Dry pack	4:1 (powder: water, in volume)
Slurry	5:2 (powder: water, in volume)
Capillary absorption and water permeability EN 1062-3:2008	$W \leq 0,09 \text{ kg/m}^2\text{h}^{0,5}$
Penetration depth EN 1766 + EN 13579 + EN 14630	$\geq 5,2 \text{ mm. CLASS I}$
Reaction to fire	EuroClase A1

Paviglass Base Coat

Crystalline chemical treatment
on the surface

Specifications and form of application

Paviglass base coat, is one of the products that make up the repair system of existing concrete structures, which present water leaks, as well as for the sealing of construction joints, or for the repair of cracks with filtration, defective construction joints and other defects.

Normally it is applied on the basis already prepared with **Paviglass barrier coat**, so in case of direct application to the support the following indications must be followed:

- The concretes to be treated must be clean and with the pore open.
- Remove surface grouts, lose or disintegrated parts, dust, dirt, greases, molding agents, paints, etc.
- It is recommended to clean with sandblasting, pressurized water, steel barb brush, mechanical brushing with needle gun, etc.
- It is advisable to start the mixture with a part of the intended water and homogenize the product at low speed for a few minutes. Always follow the powder-on-water method, never water-on-dust.
- Later the rest of the water will be added until the required fluidity is obtained, mixing for a few minutes.
- The mixture will be made with a slow electric whisk or with a glass mixer, for a few minutes and, in any case, until obtaining a fluid, homogeneous paste, without lumps and with the consistency required for each case.
- **"DRY PACK"**, or semi-dry mortar or as a component of the system (P.J.S.)
- **Paviglass joint system.**
The mixing ratio is 4 parts of powder per 1 part of water, always in volume.
- You should only prepare the amount you can use during the 20 minutes following the mixture, since the setting is relatively fast.
- Before the application of the mortar, the support must be moistened to saturation, without waterlogging.
- Apply with manual tool (metal trowel, spatula, etc.) homogeneously covering the surface.
- **"SLURRY"**, for grouts that are impermeable in the system: (Paviglass dry system),
- The mixing ratio is 5 parts mortar to 2 parts water, always in volume.
- You should only prepare the amount you can use within 20 minutes of mixing.
- The support must be moistened to saturation, without waterlogging, before the application of the mortar.
- Once kneaded it can be applied with brush, long hair roller or mechanical projection, in any case, extend to cover the entire surface homogeneously.

Important:

- During application shake the mixture frequently.
- If the mixture is consistent in the container, do not add more water, beat again and recover the initial consistency.
- During the 3 days following the application and once the initial setting of the product has begun, the mortar must be cured, by spraying sprayed water 2 or 3 times a day. In conditions of excessive heat or wind increase twice the times of spraying, that is, between 4 and 6.
- To achieve maximum penetration of the crystals into the concrete structure, the surface to be treated must be saturated with water before and after application.

! IMPORTANT

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Packaging

Bag of 25 kg
Pallet of 1200 kg (48 bags)

Dosages and Consumptions

- 1 kg/m² per layer, applied as a surface treatment type "Slurry" or grout.
- 1 kg/m applied in the form of a "Dry pack" as a component of the system (P.J.S). **Paviglass joint system.**
- The consumptions are theoretical and depend on the roughness of the support and other conditions of each work.
- To determine the exact consumptions, previous tests must be carried out on site.

Storage

Protect from solar radiation and extreme temperatures. In tropical climates the product should be stored in a cool place.

In cold climates the product should be stored at a temperature $\geq 5^{\circ}\text{C}$.

The mortar has a duration of 1 year, from its date of manufacture, if stored correctly and in its original packaging.

Health and safety

It is an alkaline product, contains cement.



- Irritates the skin, eyes and airways
- Avoid contact with eyes and skin.
- Use labor protection measures, such as

- mask, gloves and goggles.
- Keep out of reach of children.
- More information, see safety data sheet (FDS).

Paviglass Repair Base TC

Crystalline waterproof rendering mortar

Product

- High performance
- Suitable for concrete sanitation
- Controlled retraction mortar
- High immediate resistance
- Armed with fibers
- Seamless

Description

Water proofers for resistant coatings incorporating crystalline technology (hydrophilic-catalytic).

Coated based on cements with high clinker content and high resistance to sulfates, silica sands of great purity and selected granulometries, acrylic fibers, rheological additives, and crystalline components for the total waterproofing of the capillary network.

It is supplied packaging, to only add water on site.

Applications

As a waterproof repair mortar and / or previous preparation as a base, on masonry supports, for chemical treatment by molecular diffusion for the repair, waterproofing and protection of existing structures in:

- Works in maritime atmospheres.
- Works in contact with acidic waters.
- Works in contact with aggressive carbonic waters.
- Works in contact with pure waters of great solvent power.
- Works in contact with soils and waters with sulfates.
- Works in total immersion.
- Works in tidal race area.

Can also be used as waterproof mortar finishing.

Properties

- Product ready to use to apply on site.
- Great adhesion to the support.
- High thixotropy, which allows large thicknesses of a single layer and without hanging.
- Fibro-reinforced.
- High mechanical resistance.
- Fully waterproof
- Ability to self-seal micro fissures.

CE marking of the product

Masonry mortar prescribed for ordinary use intended for use in exterior elements subject to structural requirements

Paviglass repairer base TC (UNE-EN 998-2:2010)

Proportion of components (in volume)

- Cement: 25%
- Aggregates: 75 %
- Chloride content: 0.07% Cl
- Reaction to fire: Class A1
- Water absorption: 0.1 kg/(m².min05)
- Water vapor permeability: μ 15/35
- Thermal conductivity: (λ 10dry) 0.83 W/mK (tabulated value)
- Durability (resistance to ice-thaw cycles): Evaluation based on valid arrangements at the intended place of use of the mortar.

Technical data

- Application temperature: 5 and 30 °C
- Appearance: polvo gray or white
- Binders: cement Portland
- Inert: large siliceous aggregates and compensated granulometries.
- Additives: reductors, water retainers, acrylic fibers and crystalline additives.
- Granulometric g-range: 0-2.5 mm
- Powder bulk density: 1.583± 25 kg/m³.
- Kneading water:
 - 10%: 25 N/mm²
 - 12,5%: 22,5 N/mm²
 - 15%: 18 N/mm²
- A/C ratio: 0.57 0.68
- Bulk density in paste: 1.885 ± 25 kg/m³
- Water retention: ±99.98 %
- Air occluded: ±15 %
- Resistance: 120 mm / 150 mm
- Reaction to fire: Euro Class A1

** These results have been obtained under standard conditions and may vary depending on the commissioning.*

Paviglass Repair Base TC

Crystalline waterproof rendering mortar

Conditions of execution

- The support must be resistant and stable, be clean of dust, paint, oil, greases, etc., for this we will proceed to a cleaning of this, eliminating any remaining dust, liquids, residues of efflorescence's and any other substance that may impair a good adhesion to the support.
- Damaged concrete areas should be removed until they reach a sturdy and healthy surface, the edges of the repair will be mechanically cut to at least 4 mm deep.
- If there are reinforcements affected by corrosion, these will be discovered until the exposed weapon is not affected.
- Remove rust from the armatures and mechanically clean to a minimum degree Sa2.
- It is recommended to clean with sandblasting, steel barb brush, mechanical brushing, or needle gun, etc.
- The support must be moistened to saturation, without waterlogging, before the application of the mortar.

Mixture:

- Mix the powdered product with the indicated amount of water, to be massed with a concrete mixer or mechanical agitator of low revolutions until total homogenization, The mass obtained must have consistency to thixotropic.

Application:

- Apply by strong pressure on the support, a first layer end to ensure adhesion and then until obtaining the desired finish and thickness.
- Once the hardening or hardening has begun, it can be smoothed, trowel finish...

Precautions:

To ensure that the product reaches the intended properties, it is necessary to cure the mortar, for at least 24 hours following, to do this, moisten the mortar placed with sprayed water during the 24 hours following its execution, keeping the plastered surface wet for its correct curing.

Important:

- In very humid environments the setting process can increase.
- Respect the recommended temperatures.
- Do not apply with direct sunlight, strong wind, rain and / or frost.
- It does not add to say any other product that modifies the original formulation.
- If the product hardens do not try to apply it again by adding water.

Nettoyage:

Tools and work tools in a fresh state can be cleaned with water. If the material is hardened, it can only be cleaned mechanically.

! IMPORTANT

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Packaging

Bag of 25 kg
Pallet (48 bags) 1200 kg

Color

Gray and white

Consumption

±1.6 kg/m² and mm thick

Conservation

Original container closed, free from weather and humidity: 1 year

Note

This data sheet cancels the previous ones and loses its validity with the appearance of a new one. This document is not contractual and may be modified without notice.

Health and safety

Is an alkaline product, contains cement.



- Irritates the skin, eyes and airways
- Avoid contact with eyes and skin.
- Use labor protection measures, such as mask, gloves and

- goggles.
- Keep out of reach of children.
- More information, see safety data sheet (FDS).

Paviglass Top Coat

Crystalline waterproofing on the surface

Description

Chemical processing for the repair, waterproofing and protection of existing concrete.

Compost in the form of dry mortar, based on portland cements, siliceous sands of selected granulometries and active chemical additives, which is applied as a second layer on **Paviglass base coat**, to reinforce it chemically and provide a more resistant finish.

It can also be used in a single layer as an alternative to the application of bituminous emulsions.

Common applications

Especially indicated in:

- Concrete brick factories
- Hydraulic structures
- Tunnels and mining
- Basements and car parks
- Docks and bridges
- Screen walls, slabs, or concrete screeds.
- Prefabricated concrete elements.
- Shotcrete
- Swimming pools and aquariums, treatment plants and/or desalination.
- Canals and aqueducts.
- Drinking water tanks
- Elevator pits
- Constructive cold joints.

Properties

- Stops water leaks into the concrete at both negative and positive pressure.
- Seals and waterproofs small fissures.
- Protects reinforcement reinforcements against corrosion.
- Total and permanent waterproofing becomes an integral part of the concrete.
- Waterproof protection increases over time, thanks to its Hydrophilic-Catalytic technology.
- Excellent penetration into the concrete mass
- It is not affected by wear or surface abrasion.
- Excellent resistance to hydrostatic pressure at both positive and negative pressure.
- Permeable to water vapor
- Suitable for use in contact with drinking water.
- Can be used as a surface protector.

Benefits

The active geo-polymers of the mortar are dispersed in the substrate through moisture and through a process called molecular diffusion, reacting with the existing moisture and the components of the hardened cement to provoke a catalytic reaction.

This reaction generates an insoluble formation of crystallization through the pores and capillaries of the concrete, as well as cracks, permanently sealing the concrete and preventing the penetration of water and other liquids from any direction, even in conditions of high hydrostatic pressure.

Is an active part of the support on which it has been applied, since it acts continuously and for life in the presence of water or moisture.

Cleaning

Tools and work tools in a fresh state can be cleaned with water. If the material is hardened, it can only be cleaned mechanically.

Technical data

Aspect	Grey powder
Bulk density	1302 gr/lt
pH (aqueous solution)	13
Penetration into concrete	5 mm/month
Initial Curing at 25 °C	60 minutes
Hydrostatic pressure resistance	50 mca
Self-sealing cracks	0,4 mm
Mixture dosage	5:2 (powder: water, in volume)
Capillary absorption and water permeability EN 1062-3:2008	$W \leq 0,09 \text{ kg/m}^2\text{h}^{0,5}$
Penetration depth EN 1766 + EN 13579 + EN 14630	$\geq 5,1 \text{ mm. CLASS I}$
Reaction to fire	EuroClase A1

Paviglass Top Coat

Crystalline waterproofing
on the surface

Specifications and form of application

Is one of the products that make up the repair system of existing concrete structures, which have water leaks, so it is applied as a second layer of reinforcement, on the basis already prepared with **Paviglass base coat**.

In case of direct application to the support and as a single substitute layer for bituminous emulsions, the following indications must be followed:

- The concretes to be treated must be clean and with the pore open.
- Remove surface grouts, lose or disintegrated parts, dust, dirt, greases, release agents, paints, etc.
- It is recommended to clean with sandblasting, pressurized water, steel barb brush, mechanical brushing with needle gun, etc.
- It is advisable to start the mixture with a part of the intended water and homogenize the product at low speed for a few minutes. Always follow the powder-on-water method, never water-on-dust.
- Later the rest of the water will be added until the required fluidity is obtained, mixing for a few minutes.
- The mixture will be made with a slow electric whisk or with a glass mixer, for a few minutes and, in any case, until obtaining a fluid, homogeneous paste, without lumps and with the consistency required for each case.
- The mixing ratio is 5 parts powder for 2 parts water, always in volume.
- You should only prepare the amount you can use within 20 minutes of mixing.
- The support must be moistened to saturation, without waterlogging, before the application.
- Once kneaded it can be applied with a brush, long hair roller or mechanical projection, in any case extend until it covers the entire surface homogeneously.

Important:

- During application shake the mixture frequently.
- If the mixture is consistent in the container, do not add more water, beat again, and recover the initial consistency.
- During the 3 days following the application and once the initial setting of the product has begun, it must be cured, by spraying sprayed water 2 or 3 times a day. In conditions of excessive heat or wind increase twice the times of spraying, that is, between 4 and 6.
- To achieve maximum penetration of the crystals into the concrete structure, the surface to be treated must be saturated with water before and after application.

! IMPORTANT

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Packaging

Bags of 25 kg
Pallet of 1200 kg (48 bags)

Desage and Consumptions

The dosage of is:

- From 0.5 to 0.8 kg/m² per layer applied as a surface and reinforcement treatment on the already prepared base of **Paviglass base coat**.
- The consumptions are theoretical and depend on the roughness of the support and other conditions of each work.
- To determine the exact consumptions, previous tests must be carried out on site.

Storage

Protect from solar radiation and extreme temperatures. In tropical climates the product should be stored in a cool place. In cold climates the product should be stored at a temperature $\geq 5^{\circ}\text{C}$. The mortar has a duration of 1 year from its date of manufacture, if stored correctly and in its original packaging.

Health and safety

Is an alkaline product, contains cement.



- Irritates the skin, eyes, and airways
- Avoid contact with eyes and skin.
- Use labor protection measures, such as mask, gloves, and goggles.
- Keep out of reach of children.
- More information, see safety data sheet (FDS).

Pavigrout fluid®

Expansive fluid mortar for anchorings and refills

High resistances cement compound, selected arid, special additives and fiber reinforcement.



Product

- Fit for concrete screeds
- Easy to inject. Easy to pump.
- Controlled retraction mortar.
- Immediately high resistance.
- Armed with fibers.

Observations

- With low temperatures, it has to be used water over 18°C.
- On very hot weather time, do not expose the material to the sun and use cold water for the mixture.
- Do not add any additive to the mortar.
- Do not apply **Pavigrout fluid** over plasters or paintings surfaces.
- Do not add water when the mass starts the setting process.
- Do not apply where water can remain stuck.
- Once the **Pavigrout fluid**, is spilt, it has to be protected from the sun, wind...

Characteristics

- Mass life: 45 - 60 min. (20°C)
- Application thickness: 40 - 60 mm
- Opening time: >30 min.
- Setting start: 90 – 150 min.

** These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Kneading water (in laboratory): 13%
- Apparent dust density: 1.4 g/cm³
- Mass density: 1.7 g/cm³
- Adherence for traction: ≥2 MPa
- Compression resistance 28 days: ≥30,0 N/mm²
- Chlorides determination: ≤0,05%
- Elasticity module in compression: ≥15 GPa
- Frost-thaw with salt immersion: ≥2 Mpa
- Capillary absorption: ≤ 0.5 kg / (m²xh⁰⁵)
- Behavior against fire: A1 Euroclass

** These results have been obtained with standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- Refill for spilt under backing plaques and distribution.
- Rigid joints refill between conventional and pre-manufactured concrete.
- Anchorages of metallic elements (armors, bolts, machinery...), metal and concrete posts.
- Bridge and canes backings, with paste under plaques.

Supports

- On cement base like concrete, concrete block, resistant mortars.
- Indoors and outdoors.

Recommendations

- Application temperatures from 10 -30°C.
- The water percentage can oscillate depending on the used mixer.
- In zones where the armor iron appears, clean with sandblast or with a metallic plane, cover with anti-corrosion mortar Pavifer and let it get dry at least 1 hour.
- Do not apply **Pavigrout Fluid** over smooth concrete supports (rough out before and open porous).
- Eliminate the deteriorated concrete, with possible release until obtaining a solid support.
- For thick fillings, add gravel maximum (6-12 mm.) in proportion 2 to 1 gravel.

Pavigrout fluid®

Expansive fluid mortar for anchorings and refills

Execution conditions

- The supports have to be healthy, stable and resistant and without dust, plaster, painting...
- Eliminate the deteriorated concrete and in a degrading status until arriving to the solid, resistant and wrinkled support.
- Before the **Pavigrout Fluid**, application, soak until saturation and apply when the surface is without water.
- On structural reparations and with the armor appearance, sanitize with sandblast, eliminate the dust and cover with anti-corrosion mortar **Pavifer**, let it get dry at least 1 hour.
- Avoid coating application with low temperatures, strong humidity, rain... In the following hours to the mortar, application increases the carbonation efflorescence appearance risk.

Usage way

*Projected with machine:

Mix the mortar with 13-14% clean water approximately.

*Manual kneading:

Mix a **Pavigrout Fluid** (25kg) sack with 3-4 clean water liters until obtaining a homogeneous mass.

* In zones where the iron armor appears, clean and apply anti-corrosion mortar **Pavifer**, let it get dry at least 1 hour.

* Place the formwork boxes ready for the **Pavigrout Fluid** injection.

* Final finish aspect.

Associated products

- *Pavifer
- *Pavigrout-R4
- *Pavigrout-R3
- *Pavigrout-R2
- *Grout fluid



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Colors

Grey

Consumption

±1.4 kg/m² and mm thickness

Preservation

In the closed original container and sheltered from outdoors and humidity: 1 year

⚠ IMPORTANT

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Pavigrout R2®

Repair mortar with fibers

High resistance cements, selected arid, special additives and fiber reinforcement.



Product

- High performances.
- Fit for concrete sanitation.
- Controlled retraction mortar.
- Armed with fibers.
- Thixotropic, great thickness without pickup.
- Excellent adherence.

Observations

- Do not add any additive to the mortar.
- Do not apply **Pavigrout-R2** over plaster or painting surfaces.
- Do not add water when the mass starts its setting process.
- Do not apply where water can remain stuck.
- When necessary apply a second layer, apply before the first layer setting.
- Not fit for structures reparation.

Characteristics

- Rest time after the kneading: 5 min.
- Mass life approximately: 1 hour (20°C)
- Maximum thickness per layer: 30-35 mm
- Rest time between layers: 3- 4 hours

** These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Apparent dust density: 1.4 g/cm³
- Kneading water (in laboratory): 18%
- Mass density: 1.7 g/cm³
- Compression resistance: ≥15 N/mm²
- Chlorides determination: ≤0,05%
- Adherence for direct traction: ≥0,8 MPa
- Frost-thaw with salt immersion: ≥0,8 Mpa
- Capillary absorption: ≤ 0.5 kg/(m²x h^{0.5})
- Behavior against fire: A1 Euroclass

** These results have been obtained with standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- For the degraded concrete zones, pillar and crossbars corners, balcony fronts...
- Refill of external cracks and coatings on of buildings.
- Wall regularization
- Superficial defect regularization, like concreting joints, formworks, gravel nests...
- Cistern, canals, ditches reparation...
- Indoors and outdoors.

Supports

- Concrete and cement mortars.
- Concrete block.

Recommendations

- Application temperatures from 5 -30°C.
- The water percentage can oscillate depending on the used mixer.
- In zones where the armor iron appears, clean with sandblast or with a metallic plane, cover with anti-corrosion mortar **Pavifer** and let it get dry at least 1 hour.
- Do not apply **Pavigrout-R2** over smooth concrete supports (before rough out and open porous).
- Do not use with filling paste
- Eliminate the deteriorated concrete, with possible release until obtaining a solid support.

Pavigrout R2®

Repair mortar with fibers

Execution conditions

Glass fiber or metallic mesh placement in zones with fissures risk.

The supports have to be healthy, stable and resistant and without dust, plaster, painting...

On hot weather and dry wind, a facing humidification has to be performed before and 24 hours after the coating application, in order to facilitate the fissures and cracking appearance, as well as the dusty zones formation.

The higher the temperatures are, the more intense these phenomena.

Over facings without absorption, very smooth or few absorbent, strip and open porous to secure a good adherence.

Avoid coating application with low temperatures, strong humidity, rain... In the following hours to the mortar, application increases the carbonation efflorescence appearance risk.

Usage way

* Manual kneading:

Mix a sack **Pavigrout R2** (25kg) with 4.5 – 5.5 liters clean water until obtaining a homogeneous mass.

*Projected with machine:

Mix the mortar with 18 - 20% clean water approximately.

In zones where the iron armor appears, clean and apply mortar

Pavifer, let it get dry at least 1 hour.

Apply the final layer **Pavigrout R2** and trowel.

** Place the glass fiber or metallic mesh in zones with fissures appearance risk.*

Associated products

*Pavifer

*Pavigrout-R4

*Pavigrout-R3

*Pavigrout fluid



Packaging

25 kg sacks
1200 kg pallet (48 sacks).

Colors

White and Grey

Consumption

±1.4 kg/m² and mm thickness

Preservation

In the closed original container and sheltered from outdoors and humidity: 1 year

⚠ IMPORTANT

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Pavigrout R3®

Quick setting repair mortar

High resistance cements, selected arid, special additives and fiber reinforcement.



Product

- Thixotropic.
- Armed with fibers.
- Fit for concrete sanitation.
- Controlled retraction mortar.
- Immediate high resistance.
- Without fissures.

Observations

- Moisten well before applying **Pavigrout-R3**.
- Do not add any additive to the mortar.
- Do not apply **Pavigrout-R3** on plaster or painted surfaces.
- Do not add water when the mass begins the setting process.
- Do not apply where water may remain stagnant.
- When a second coat is necessary, apply before the first has set.

Usage characteristics

- Rest time after the kneading: 5 min.
- Mass life: 30-60 min. (20°C)
- Tolerated maximum thickness: 3-15cm (in 5 cm layers)
- Setting start: 2- 4 hours

**These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Apparent dust density: 1.4 g/cm³
- Kneading water (in laboratory): 15%
- Mass density: 1.7 g/cm³
- Adherence for direct traction: ≥ 1.5 MPa
- Compression resistance: ≥ 25 MPa
- Chlorides determination: $\leq 0,05\%$
- Elasticity module in compression: ≥ 15 GPa
- Frost-thaw with salt immersion: ≥ 1.5 Mpa
- Capillary absorption: ≤ 0.5 kg / (m²xh⁰⁵)
- Behavior against fire: A1 euroclass

** These results have been obtained with standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- Repair of columns, beams, cantilevers, pillars, balconies, degraded concrete zones..., due to armor corrosion and where a quick setting is required.
- Refill of external cracks and coatings on of buildings.
- For reparations needing an urgent operating disposal, like revoke edges, registration boxes or pipe embedded and holes reparations.
- Indoors and outdoors.

Supports

- Concrete and cement mortars.
- Standard concrete block.

Recommendations

- Application temperatures from 10 -30°C.
- The water percentage can oscillate depending on the used mixer.
- In zones where the armor iron appears, clean with sandblast or with a metallic plane, cover with anti- corrosion mortar **Pavifer** and let it get dry at least 1 hour.
- Do not apply **Pavigrout - R3** over smooth concrete supports (before rough out and open porous).
- Do not use with filling paste
- Eliminate the deteriorated concrete, with possible release until obtaining a solid support.

Pavigrout R3®

Quick setting repair mortar

Execution conditions

The supports must be healthy, stable and resistant and without dust, plaster, painting...

Eliminate the deteriorated concrete and in a degrading status until arriving to the solid, resistant and wrinkled support.

Before the **Pavigrout-R3**, application, soak until saturation and apply when the surface is without water

On structural reparations and with the armor appearance, sanitize with sandblast, eliminate the dust and cover with anti-corrosion mortar **Pavifer**, let it get dry at least 1 hour.

Over facings without absorption, very smooth or few absorbents, strip and open porous to secure a good adherence.

Avoid coating application with low temperatures, strong humidity, rain... In the following hours to the mortar application increases the carbonation efflorescence appearance risk.

Usage way

*Manual kneading:

Mix a sack **Pavigrout-R3** (25kg) with 3,5-4 liters clean water until obtaining a homogeneous mass.

*Projected with machine:

Mix the mortar with 15-20 % clean water approximately.

* In zones where the iron armor appears, clean and apply anti-corrosion mortar **Pavifer**, let it get dry at least 1 hour.

Apply the final layer **Pavigrout-R3**, eliminate the remaining with the palette and proceed to trowel.

**Place the glass fiber or metallic mesh in zones with fissures appearance risk.*

Associated products

*Pavifer

*Pavigrout-r4

*Pavigrout-r2

*Pavigrout fluid



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Colors

White and grey

Consumption

±1.4 kg/m² and mm thickness

Preservation

In the closed original container and sheltered from outdoors and humidity: 1 year

! IMPORTANT

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Pavigrout R4®

Thixotropic repair mortar

High resistances cement compound, selected arid, special additives and fiber reinforcement.



Product

- High performances.
- Fit for concrete sanitation.
- Controlled retraction mortar.
- Immediate high resistance.
- Armed with fibers.
- Without fissures.

Observations

- Moisten well before application of **Pavigrout- R4**.
- Do not add any additive to the mortar.
- Do not apply **Pavigrout-R4** over plaster or painting surfaces.
- Do not add water when the mass starts its setting process.
- Do not apply where water can remain stuck.
- When necessary apply a second layer, apply before the first layer setting.

Characteristics

- Rest time after the kneading: 5 min.
- Mass life: 60 min. (20oC)
- Maximum tolerated thickness: 3-15cm (on 5cm layers)
- Setting start : 2- 4 hours

**These times are contemplated with 20oC and they can oscillate depending on the ambient temperature.*

Performances

- Apparent dust density: 1.4 g/cm³
- Mass density: 1.7 g/cm³
- Kneading water (in laboratory): 15 %
- Adherence for direct traction: ≥ 2 MPa
- Compressive strength: ≥ 45 N/mm²
- Chlorides determination: ≤ 0,05 %
- Elasticity module in compression: ≥ 20 GPa
- Frost-thaw with salt immersion: ≥ 2 Mpa
- Capillary absorption: ≤ 0.5 kg / (m²xh⁰⁵)
- Behavior against fire: A1 Euroclass

** These results have been obtained with standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- Reconstruction from the recovering layer in the armor in armed cement structures.
- Reparation of columns, beams, cantilever, pillars, balconies, degrading concrete zones..., due to armors corrosion and that a quick setting is required.
- Surfaces exposed to strong abrasion reparation (canals, pavements, ramps...)
- Wall, tunnels regularization...
- Restoration and reparation of road viaducts.
- Indoors and outdoors.

Supports

- Concrete and cement mortars.
- Standard concrete block

Recommendations

- Application temperatures from 10 -30°C.
- The water percentage can oscillate depending on the used mixer.
- In zones where the armor iron appears, clean with sandblast or with a metallic plane, cover with anti-corrosion mortar **Pavifer** and let it get dry at least 1 hour.
- Do not apply **Pavigrout-R4** over smooth concrete supports (before rough out and open porous).
- Do not use with filling paste
- Eliminate the deteriorated concrete, with possible release until obtaining a solid support.
- Do not apply with direct insolation, rain possibility or frost...

Pavigrout R4®

Thixotropic repair mortar

Execution conditions

The supports have to be healthy, stable and resistant and without dust, plaster, painting...

Eliminate the deteriorated concrete and in a degrading status until arriving to the solid, resistant and wrinkled support.

Before the **Pavigrout-R4**, application, soak until saturation and apply when the surface is without water.

On structural reparations and with the armor appearance, sanitize with sandblast, eliminate the dust and cover with anti-corrosion mortar **Pavifer**, let it get dry at least 1 hour.

Over facings without absorption, very smooth or few absorbent, strip and open porous to secure a good adherence.

Avoid coating application with low temperatures, strong humidity, rain... In the following hours to the mortar, application increases the carbonation efflorescence appearance risk.

Usage way

*Manual kneading:

Mix a sack **Pavigrout-R4** (25kg) with 3,5-4,5 liters clean water until obtaining a homogeneous mass.

*Projected with machine:

Mix the mortar with 15-16% clean water approximately.

* In zones where the iron armor appears, clean and apply anti-corrosion mortar **Pavifer**, let it get dry at least 1 hour.

* Apply the final layer **Pavigrout-R4** and give the desired finish.

* Place the glass fiber or metallic mesh in zones with fissures appearance risk.

Associated products

*Pavifer
 *Pavigrout-R3
 *Pavigrout-R2
 *Pavigrout fluid



Packaging

25 kg sack
 1200 kg pallet (48 sacks)

Colors

White and grey

Consumption

±1.4 kg/m² and mm thickness

Preservation

In the closed original container and sheltered from outdoors and humidity: 1 year

⚠ IMPORTANT

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Pavimper 2C®

Waterproof-bicomponent mortar-elastic

Special cement, selected arid, resins, active components and additives.



Product

- Concrete waterproofing on balcony
- Waterproofing of safe water deposits
- Waterproof coating
- Protector of walls exposed to water action.
- Fit to receive painting or coating

Observations

- Do not add cements, arid or water to the product.
- On surfaces where the product remains seen, consider the steam exit depending on the humidity present on the support. This precaution is essential on the applications performed over absorbent supports retaining humidity.
- After application in hot weather time or wind, it is advisable to protect the surface with canvas in order that an evaporation or too quick drying are produced.

Characteristics

- Rest time after the kneading: 5 min.
- Mass life: ±60 minutes
- Application thickness: 2 mm per layer
- Setting start: ≥4 hours
- Rest time between layers: 4-5 hours
- Rest for deposit fill: ≥ 28 days
- Coated – painting: >6 days

**These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Dosage: Comp. A+B (25 kg y 12 liters)
- Adherence for direct traction: 1.7 MPa
- Permeability Index: 0,03 kg/m² h_{0,5}
- Permeability to CO₂: 4,5 g/m²·d
- Fissures resistance: Class A5
- Water-steam transmission: 1,9 mg/h
- Water-steam transmission speed: 4,9 g/m² * d
- Water-steam permanence coefficient: 6,4E-04 g/m² x day x Pa
- Traction properties determination:
 - Force: 1.6 MPa
 - Lengthening: 63%
- Behavior against fire: A1 Euroclass
- Potable certificate: EN 14944 – 3:2008

** These results have been obtained with standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- Flexible and waterproof mortar for concrete revokes and cement bases.
- Waterproofing of concrete deposits for water, salt water or even safe water.
- Showers, bath, swimming pools waterproofing... before the ceramic coating placement.
- Waterproof coating and wall protector.
- Waterproof coating of concrete surfaces exposed to the water action and chemical aggression from external agents like salt, defrost and chlorides...
- Indoors and outdoors.

Supports

- Concrete, concrete prefabricated, revokes, ceramic...

Recommandations

- Application temperatures from 10 - 30°C
- Protect from rain or accidental water strokes during the first 24 hours of its application.
- Place mesh in the coating middle.
- On deposit waterproofing in permanent contact with water, wait to the complete drying (<4% humidity) of **Pavimper-2C** and clean with hot water before its usage.
- If necessary, repair the damage with **Pavigrout** repair mortar.
- Avoid application with rain risk, frost, strong wind, direct insolation...

Pavimper 2C®

Waterproof-bicomponent mortar-elastic

Execution conditions

The supports must be healthy and clean, without grouts or release agents.
On fully set cementitious bases ≥ 28 days.

If necessary, clean with pressure water or sandblast, to secure a perfect adherence.

The supports must have a good flatness, without clefts or irregular zones.
For waterproofing of pavements and coating of enclosure, stoneware, terrazzo... these have to with good adherence to the support and without any substance that may alter the adherence.

Treat the singular points with the adequate mesh.

Moisten the support before the application.

Avoid application with strong wind or direct insolation.

The lining must necessarily be coated and protected...

Usage way

Spill the component **B** (12 lt) liquid in a clean recipient, add slowly and with mechanical agitation, the sack (24 kg) **Pavimper-2C** until obtaining a homogeneous mass without lumps.

Apply with trowel in maximum thickness of 2 mm per layer.

Place the adequate mesh in the middle of the coating.

*Fit to project with machine.

On the sides, overlap the mesh at least 15 cm.

Associated products

*Pavimper-CB

*Pavimper

*Pavifer

*Pavigrout



Packaging

24 kg bag

1152 kg pallet (48 bags)

Component-B: 12 liter drum

576 lt pallet (48 drums)

Colors

White and gGrey

Consumption

± 1.6 kg/m² and mm thickness

Preservation

In the closed original container and sheltered from outdoors
and humidity: 1 year

! IMPORTANT

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Pavimper CB®

Component B for Pavimper-2C

Water-based liquid binder for powdered mortar reinforcement.

Product

- Quick setting.
- Waterproof and resistant.
- Without chlorides.
- Without retraction.
- It can be coated.

Enforcements

- For the **Pavimper-2C** mixture.
- For mortars and concretes reinforcement.
- Great resistance to ageing.
- Water base.
- Excellent behavior to abrasion.

Recommendations

- Application temperatures from: 10 – 30°C.
- Do not add water to the product.
- Respect always the same percentage during the mixture.

Performances

- Density: 1.09 kg/l 25°C
- Value PH: 8 – 10
- Viscosity (25°C): 1500 - 2000
- Flashpoint: Not applicable
- Water base
- Indoors and outdoors

Usage way

Mixture proportion:

- 24 kg **Pavimper-2C**
- 12 lt **Component B**

- Spill **Pavimper-2C** (dust) over **comp B** (liquid) and mix with a low revolution whisk, until obtaining a homogeneous, workable mass without lumps.

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Packaging

12 liters drum

Aspect

Liquid transparent

Preservation

In the closed original container and sheltered from outdoors and humidity: 1 year

Characteristics

Mass life: 2 hours

Opening time: 2 hours

Dry to touch: 5 – 7 hours (20oC)

* All the information described has been obtained from standard essays and it can oscillate depending on the workplace conditions.

Pavimper®

Waterproofing hydraulic mortar

Special cement, selected arid, resins, active components and additives.



Product

- Outdoor waterproofing.
- Repairs and waterproofs the small fissures.
- Over supports with small movements.
- Can be projected with machine.
- Sea water resistant.
- Fit to receive painting or coating.

Observations

- Do not add any additive to the mortar.
- On circulated floors, the mortar has to be always protected.
- Aggressive and sea water contact resistant.
- Do not apply with strong wind or direct insolation.

Characteristics

- Rest time after the kneading: 5 min.
- Mass life approximately: ± 1 hour
- Application thickness per layer: minimum 2 mm
- Setting start: ≥ 4 hours
- Rest time between layers: ≥ 4 hours
- Rest for deposit fill: ≥ 28 days
- Coated-painting: > 6 days

** These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Apparent density: 1.3 g/cm³
- Kneading water (in laboratory): 20%
- Paste density: 1.6 g/cm³
- Elasticity module: ≥ 450 MPa
- Lengthening: $\geq 50\%$
- Fissures resistance: class A5
- Impermeability DIN: waterproof
- Adherence over concrete: ≥ 1.6 MPa
- Adherence for direct traction: > 1.5 MPa
- Hardness Shore 7 days: ≥ 25
- Behavior against fire: A1 Euroclass

** These results have been obtained with standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- Waterproofing of walls and concrete structures subject to fissures phenomena.
- Showers, bath, swimming pools waterproofing... before the ceramic coating placement.
- Supports even high negative pressures.
- Terraces and balcony walls rehabilitation, as well as terraces, roofs or cornices cantilevers... outdoors and exposed to important thermal changes.
- In general, it is a protector and waterproof coating for surfaces exposed to water action and chemical aggression of external phenomena like defrost salts, sulfates, chlorides...
- Indoors and outdoors.

Supports

- Concrete, concrete prefabricated, revokes, ceramic...

Recommendations

- Application temperatures from 5-30°C.
- The water percentage can oscillate depending on the used mixer.
- Do not apply with rain risk, frost...
- Place the glass fiber mesh between the first and second layer on terraces and walls with fissures risk.
- Minimum final thickness 3-4 mm in all the points.

Pavimper®

Waterproofing hydraulic mortar

Execution conditions

The support must be healthy and clean, without grouts or release agents. If necessary, clean with pressure water or sandblast, to secure a perfect adherence.

The supports must have a good flatness, without clefts or irregular zones.

Repair all the damaged zones (holes...) with repair mortar **Pavigrout**.

Treat the singular points with adequate mesh.

Moisten the support before application.

Avoid application with direct insolation, wind, rain risk, frost...

Usage way

Manual kneading:

Mix a sack with 5 - 6 liters clean water until obtaining a homogeneous and fluid mass.

Projected:

20 - 24% water.

Apply with a first layer approximately 2 kg/m² and let it rest from 4 to 5 hours.

Apply a second layer, crossed to the previous one and with the same consistency.

On walls or surfaces with fissures risk, place between coats a glass fiber mesh.

Associated products

*Pavimper-2C

*Pavigrout-R3

*Pavigrout-R2



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Colors

Grey
(others on demand)

Consumption

±1.6 kg/m² and mm thickness

Preservation

In the closed original container and sheltered from outdoors
and humidity: 1 year

⚠ IMPORTANT

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Silicate

Silicate hardener for concrete and mortars

Pure chemical compound with high resistance with silicate base.



Product

- Excellent penetration.
- High brightness.
- Good resistance to abrasion.
- Over absorbent grounds.
- Hard and crystalline surface formation.
- Easy application.

Observations

- The support has to be without saltpeter, fungi, oils, greases... and dirtiness in general, that could alter the product effectivity.
- Outdoors do not apply with more than 30°C measured over the surface to be treated.
- Do not add water to the product.
- Over non absorbent surfaces, sand and open the porous.
- When necessary apply a second layer.

Characteristics

- Before applying the product, perform always essays using the equipment and the proceedings selected for the general application.
- The essay will confirm if the surface preparation and the application procedures are correct for the preview application.
- Total reaction over micro cement: > 2 hours (20°)
- Reaction over concrete: > 2 hours (20°)
- Setting start (20 °C): > 10 hours

**These times can considerably oscillate depending on the ambient temperature*

Final results

- The treated surface will be ready when it is completely dry.
- The smooth and hardened surfaces will have less water absorption and a high brightness.
- The maximum water resistance will appear from the 7th day on.
- With the time and maintenance, brightness and hardening will increase.

** This information has been obtained with standard conditions and it can oscillate depending on the workplace.*

Enforcements

- Silicate compound to harden, densify and seal cement base surfaces.
- Specially indicated for protection and hardening on concrete pavements, micro cement, mortars...
- The treated surfaces resist water damage and surface abrasion.
- Reacts with the cement to produce an insoluble calcium silicate hydrate within the concrete and mortar porous.
- Outdoors and indoors.

Supports

- Micro cement.
- Concretes and cement mortars
- Brick partitions, stone...
- Semi-absorbents grounds.

Recommendations

- Application temperatures from 5 - 35°C
- Do not dilute or alter the product.
- Do not apply on a continuous hot weather, as the product could lose its performances.
- It is not advisable product application on paintings, old plasters, deteriorated surfaces... that can become detached with the product application.
- Do not apply on surfaces with stuck humidity.
- Do not apply on nonabsorbent grounds.

Silicate

Silicate hardener for concrete and mortars

Execution conditions

Be sure that supports are healthy, stable and resistant and without any dirtiness.

Eliminate the deteriorated parts and in a degrading status, until arriving to the solid support, resistant and absorbent.

It can be applied on existing cured concrete with any age.

On new cement bases, its setting has to be completed (≥ 28 days).

Over **Pavicem microcemento**, from the 7th day on (humidity lower than 2%).

Over cement bases, they have to be equally wet.

On hot and dry climates, moisten the surface previously with safe water and let it evaporate.

Avoid product application with low temperatures, strong humidity, rain... in the hours following the application, the risk of altering the final performances increases.

Do not let the exceeding product to get ponded, as it may increase the drying time and whitish remains will be created that have to be eliminated immediately.

Usage way

- Application:

- Perform always essays before using the product.
- Apply a sponge coat, airless, aconventional... without overloading
- Over wet polished concrete let it get dry before the product application.

Associated products

*Concrete and mortars

*Micro cement



Packaging

(5-20 l.)
20 liter drum
480 liter pallet (24 drums)

Consumption

Polished concrete: $\pm 0,08$ l/m² (1 pass)
Micro cement: $\pm 0,08$ l/m² (1 pass)

Preservation

In the closed original container and without the fabric sealing opened and sheltered from outdoors and humidity: 2 years

Technical data

Form: clear liquid and with water
pH: 11,0
Active content: 15,1 %
Total solids: 15 %
Flashpoint: ND
Freezing point: 0 °C

⚠ IMPORTANT

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Ufire 850 MI

Protector coating against fire

Protector coating against fire from the waterproof membrane USEAL 800 / **Pavimper**, forming part of the tunnel system USEAL series 800.



Product

- Mortar for mounting and rejoin.
- High temperatures resistant.
- Ideal for refractory breaks placement.

Observations

- Fire protection mortar, it is applied over structures of concrete, crossbars, pillars, profiles...
- Indoors and outdoors.

Characteristics

- Rest time after the kneading: 2 min.
- Mass life time: ± 40 minutes
- Correction time: ± 20 minutes
- Setting start: 4-5 hours
- Startup: 4-5 day

**These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Dust density: 1.6 g/cm³
- Kneading water (in laboratory): 12%
- Retraction: ≤ 0.7 mm/m
- Flexural strength: ≥ 4 N/mm²
- Compression: ≥ 30 N/mm²
- Elasticity module: 45000
- Thermal resistance maximum temperature: 1000°C (during 24 hours)
- Adherence over concrete: ≥ 2.5 N/mm²
- Adherence over Useal 800 / **Pavimper**: > 1.5 N/mm²
- Adherence over ceramic support: ≥ 0.8 N/mm² (support breaks)
- Behavior against fire: A1 euroclass

** These results have been obtained with standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- Special coating for protection of waterproof membrane, **Useal 800 / Pavimper**, against fire, submitted to high temperatures.
- Special coating for mounting and anchorage of refractory brick, massif or empty, terracotta that are submitted to high temperatures: barbecues, firewood ovens, chimneys...
- For mounting or rejoin of brickworks Works in contact with aggressive or acid waters, alimentary industry, drains pipelines, sanitations and industrial wastes.
- Manual application or mechanical application.
- Indoors and outdoors.

Recommendations

- Application temperatures from 5 -30°C.
- The water percentage can oscillate depending on the used mixer.
- Do not apply the mortar with rain risk, frost or strong wind.

Ufire 850 MI

Protector coating against fire

Execution conditions

- The support must be healthy and clean, without greases, oils...
- Clean the pieces to be used, to secure a good adherence.
- With high temperatures or strong wind, moisten previously the support.
- It is advisable to moisten the mortar, in the following 24 hours to its application.
- Avoid application with strong direct sunlight.

Usage way

Projected with machine:

Knead with 12-16% water, until obtaining a homogeneous and constant mass.

Manual kneading:

Mix a sack (25 kg) with 3 – 4 clean water liters, until obtaining a homogeneous mass without lumps.

Apply the mortar with the proper tool in regular and continuous thicknesses.

Before the setting start, smooth with a fugues palette.



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Color

Dark grey
Others on demand

Consumption

15 – 20 kg/m² and mm thickness

Preservation

In the closed original container and sheltered from outdoors and humidity: 1 year

⚠ IMPORTANT

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Glue Mortars

Tile and stoneware rejoin

Cementitious adhesive is a cementitious adhesive used for ceramic tile, whether for walls or floors, both indoors and outdoors. There are all types of cementitious adhesives with different applications and specificities.

For a good choice of mortars with finishes and quality, three factors must be taken into account:

- Location: wall or floor, interior or exterior.
- Nature and characteristics of the substrate: on mortar, plaster, drywall, etc.
- Nature and characteristics of the tile: ceramic, red or white body, porcelain tile, marble or natural stone, etc. In this case, it will also affect the size of the pieces or the height to be reached.

We have Cemcol adhesives to apply on any cementitious substrate and Pavicolor joint filling mortars.

Cemcol C1®

Conventional glue mortar

Cement, selected and limy arid, organic and inorganic additives.



Product

- Exterior and interior flooring
- Interior coatings
- Good workability
- No sagging

Observations

- Previewed uses: flagstones and tiles for outdoor floors and indoor walls.
- Wind causes a lower mortar opening time and implies a lower adherence.
- On outdoor floors the support has to have minimum 1% inclination in order to evacuate water
- Do not apply the flagstone, stone, marble... in a "touches" way.
- Do not apply with strong wind, direct insolation, rain risk...

Characteristics

- Rest time after the kneading: 5 minutes.
- Approximate rectification time: 30 minutes.
- Paste life: 3 hours approximately.
- Joints refill, in pavements: >48 hours.
- Joints refill in indoors coating: >24 hours.

** These times can considerably oscillate depending on the ambient temperature.*

Performances

- Kneading water (in laboratory): 24%
- Mass density: 1600 kg/m³
- Water retention: 98.0%
- Initial adherence: ≥ 0.5 N/mm²
- Adherence after immersion: ≥ 0.5 N/mm²
- Slip: ≤ 0.5 mm
- Behavior against fire: A1 Euroclass

*** All the information described has been obtained with standard essays and it can oscillate depending on the workplace conditions.*

Enforcements

- Thin layer glue mortar for tiles, ceramic, stoneware, marble and medium and high porosity natural stone placement.
- Indoors and outdoors pavements.
- Indoors coatings.
- For ceramic with a medium-high absorption grade.

Supports

- Outdoors, over cement base floors.
- On pavements and indoor coatings, over concrete, coating with rendering **Revistamp Sec** or traditional mortar.

Enforcement tips

- Application temperatures from 5°C to 30°C.
- The water percentage can oscillate depending on the used mixer.
- Respect the kneading water.
- The flagstones have to be conventional (tile) and medium-high absorption.
- It is advisable to leave a 2 mm indoor minimum joint and 5 mm outdoor minimum joint between pieces.
- Respect perimeter joints and structural joints.
- On indoors pavements leave the partition joints each 50 m² and 30 m² if it is outdoors.
- For filling joints use **Pavicolor**.
- Over plaster support, use **Cemcol Special Plaster, Flexible or Porcelain**.

Execution conditions

- The support has to be resistant, its setting complete and it has to be without dust, oil, greases...
- Sanitize the disaggregating parts.
- Use mesh between different nature supports.
- On supports exposed to the sun or very absorbent it is recommended to moisten them previously.
- Over cement base, concrete... its setting has to be completed (≥ 28 days).
- Avoid application with direct insolation and air streams.
- Respect the construction joints (expansion, contraction, division, perimeter joint...)

Cemcol C1®

Conventional glue mortar

Usage way

Knead the contents of the sack (25 kg) with 5-7 litres of clean water with a slow mixer until a homogeneous, lump-free dough is obtained. Leave to stand for 5 minutes and knead again.

Apply the material preferably with a notched trowel.

Lay the tiles, pressing and moving up and down until the grooves of the adhesive mortar are flattened.

** Before laying the ceramic tiles, check that the tile adhesive has not formed a surface film as this would prevent adhesion. If this is the case, comb again with a notched trowel.*

Associated products

- Cemcol Ianic C1TE-S1
- Pavicolor PLUS
- Pavicolor HD
- Pavicolor ECO
- Pavicolor wide joint
- Pavicolor thin joint
- Pavicolor flexible



Packing

25 kg paper sack
1200 kg pallet (48 sacks)

Colors

White and grey

Consumption

Simple paste: 3-4 kg/m²

** These consumptions may vary depending on the installation.*

Preservation

In original, sealed packaging, protected from weather and moisture: 1 year

References

Low absorption: Absorption under 3%
Medium absorption: Absorption between 3-10%
High absorption: Absorption over 10%

! IMPORTANT

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Cemcol Special Gypsum®

Conventional glue mortar

Cement, selected and limy arid, organic and inorganic additives.



Product

- On gypsum or plaster
- For tiles and stoneware
- Good adhesion

Observations

- Do not apply over supports with humidity superior to 4%.
- Avoid placement over dead plaster or weak plasters.
- For the ceramic pieces with low absorption placement, it is recommended to use **Cemcol Porcelánico**.
- On very absorbent facings, it is recommended to moisten previously and perform a first 2mm layer with the same glue cement.
- Do not apply the flagstone, stone, marble... in a "touches" way

Characteristics

- Rest time after the kneading: 5 minutes and knead again before the application
- Approximate rectification time: 30 minutes
- Paste life: 2-3 hours approximately
- Joints refill: > 24 hours

** These times can considerably oscillate depending on the ambient temperature.*

Performances

- Kneading water: 24% (in laboratory)
- Mass density: 1600 kg/m³
- Water retention: 99.0%
- Initial adherence: ≥ 0.5 N/mm²
- Adherence after immersion: ≥ 0.5 N/mm²
- Behavior against fire: A1 Euroclass

*** All the information described has been obtained with standard essays and it can oscillate depending on the workplace conditions.*

Enforcements

- White thin-bed tile adhesive for fixing tiles and stoneware in interior cladding.

Supports

- On traditional gypsum plaster, prefabricated plaster, mortar...

Enforcement tips

- Application temperatures from 5°C to 30°C.
- The water percentage can oscillate depending on the used mixer.
- Respect the kneading water.
- The flagstones have to be middle absorption (>3%) over plaster.
- Minimum 2 mm joints will be left, refilling them with joint mortar **Pavicolor**.

Execution conditions

- The support has to be resistant, it's setting complete and it has to be without dust, oil, greases...
- Sanitize the disaggregating parts.
- Use mesh between different nature supports.
- On supports exposed to the sun or very absorbent it is recommended to moisten them previously.
- Avoid application with direct insolation and air streams.

Cemcol Special Gypsum®

Conventional glue mortar

Usage way

Knead the contents of the bag (25 kg) with 5-7 litres of clean water with a slow mixer until a homogeneous, lump-free dough is obtained. Leave to stand for 5 minutes and knead again.

Apply the material preferably with a notched trowel.

Lay the tiles, pressing and moving up and down until the grooves of the adhesive mortar are flattened.

** Before laying the ceramic tiles, check that the tile adhesive has not formed a surface film, as this would prevent adhesion. If this is the case, comb again with a notched trowel.*

Associated products

- Cemcol C2TE
- Pavicolor Plus
- Pavicolor HD
- Pavicolor ECO
- Pavicolor wide joint
- Pavicolor thin joint
- Pavicolor flexible



Packing

25 kg paper sack
1200 kg pallet (48 sacks)

Colors

White

Consumption

Simple paste: 3-4 kg/m²

**These consumptions may vary depending on the installation.*

Preservation

In original, sealed packaging, protected from weather and moisture: 1 year

References

Low absorption: Absorption under 3%
Medium absorption: Absorption between 3-10%
High absorption: Absorption over 10%

⚠ IMPORTANT

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Cemcol Flex Porcelain Tile C2TE-S1®

Flexible porcelain glue mortar

Cement, siliceous and limy arid, organic and inorganic additives



Product

- High performance
- Thin film
- High adhesion
- Suitable for water immersion

Observations

- Direct insolation and wind cause a lower mortar opening time and implies a lower adherence.
- Do not apply with rain risk outdoors, or with a 3% superior humidity indoors.
- On outdoors floors the support has to have a minimum 1% inclination for the water evacuation.
- In heating floors, it has to be turned off 48 hours before.
- Over plasterboard, verify the partition rigidity.
- Do not apply the flagstone, stone, marble... in a "touches" way.

Characteristics

- Rest time after the kneading: 5 minutes
- Approximate rectification time: 30 minutes
- Paste life: 4 hours approximately
- Time to rejoin: 24 hours on coatings and 48 hours on pavements.

** These times can considerably oscillate depending on the ambient temperature.*

Performances (UNE- EN12004)

- Kneading water (in laboratory): 24%
- Initial adherence: $\geq 1\text{N/mm}^2$
- Immersion adherence: $\geq 1\text{N/mm}^2$
- Adherence after heat ageing: $\geq 1\text{N/mm}^2$
- Adherence after frost-thaw cycle: $\geq 1\text{N/mm}^2$
- Opening time adherence 30 minutes: $\geq 0.5\text{N/mm}^2$
- Slip: $\leq 0.5\text{ mm}$
- Water retention CSTB: 99.0 %
- Behavior against fire: A1 Euroclass

*** All the information described has been obtained with standard essays and it can oscillate depending on the workplace conditions.*

Enforcements

- White or grey flexible porcelain glue mortar with thin layer for the facades coating and pavements with heavy traffic, with ceramic, marble, natural stone... with or without absorption and with small or big format.
- Outdoors and indoors.
- Heating floors.

Supports

- The usual at the workplace.
- Plaster, plasterboard, mortar, ceramic, concrete, anhydrite...
- Concrete floors in cement base.

Enforcement tips

- Application temperatures from 5°C to 30°C.
- The water percentage can oscillate depending on the used mixer.
- On facades perform expansion joints each 30-60 m2 depending on the format, as well as perimeter joints in cornices, floor structures...
- During placement, avoid water filtration between the support and the piece.
- Protect the superior edges with the final coating with cornices, rain gutters.
- It is advisable to leave joints between pieces, 2 mm indoors and 5 mm outdoors...
- Respect perimeter joints and structural joints.
- On indoors pavements leave partition joints each 50m2 and 30m2 outdoors.
- For filling joints use **Pavicolor**.

Execution conditions

- The support has to be resistant, its setting complete and it has to be without dust, oil, greases
- Sanitize the disaggregating parts.
- Use mesh between different nature supports.
- On supports exposed to the sun or very absorbent it is recommended to moisten them previously.
- Over cement, concrete base... their setting has to be completed (≥ 28 days).
- In great format coatings ($\geq 40\text{kg/m}^2$) it is indispensable to use a mechanical anchorage.

Cemcol Flex Porcelain Tile C2TE-S1®

Flexible porcelain
glue mortar

Usage way

Knead the contents of the bag (25 kg) with 5-7 liters of clean water with a slow speed beater until a homogeneous mass is obtained and free of lumps. Let it rest 5 minutes.

Extend the material with a notched trowel in small panels. Proceed with a double paste for great format pieces and elevated weight.

Place the flagstones, pressing and moving from up to down until obtaining the glue mortar grooves crushing.

** Before placing the ceramic, verify that the glue cement has not formed a superficial skin, as it would avoid its adhesion. In such a case, apply the notched trowel again.*

Associated products

- Pavicolor PLUS
- Pavicolor HD
- Pavicolor ECO
- Pavicolor wide joint
- Pavicolor thin joint
- Pavicolor flexible



Packing

25 kg paper sack
1200 kg pallet (48 sacks)

Colors

White and grey

Consumption

Simple paste: 3-4 kg/m²
Double paste: 5-6 kg/m²

** These consumptions can oscillate depending on the workplace conditions.*

Preservation

In sealed original packaging, protected from
weather and humidity: 1 year

References

*** With more than 40 kg/m² flagstones use a mechanical anchorage*

Low absorption: Absorption under 3%
Medium absorption: Absorption between 3-10%
High absorption: Absorption over 10%

⚠ IMPORTANT

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Cemcol Flexible C2TE-S1®

Thin layer flexible glue mortar

Cement, siliceous and limy arid, organic and inorganic additives



Product

- High performance
- Thin film
- High adhesion
- Suitable for water immersion

Observations

- Direct insolation and wind cause a lower mortar opening time and implies a lower adherence.
- Do not apply with rain risk outdoors, or with a 3% superior humidity indoors.
- On outdoors floors, the support has to have a minimum 1% inclination for the water evacuation.
- In heating floors, it has to be turned off 48 hours before.
- Over plasterboard, verify the partition rigidity.
- Do not apply the flagstone, stone, marble... in a "touches" way.

Characteristics

- Rest time after the kneading: 5 minutes
- Approximate rectification time: 30 minutes
- Paste life: 4 hours approximately
- Time to rejoin: 24 hours on coatings and 48 hours on pavements.

** These times can considerably oscillate depending on the ambient temperature.*

Performances (UNE- EN12004)

- Kneading water (in laboratory): 24%
- Initial adherence: $\geq 1\text{N/mm}^2$
- Immersion adherence: $\geq 1\text{N/mm}^2$
- Adherence after heat ageing: $\geq 1\text{N/mm}^2$
- Adherence after frost-thaw cycles: $\geq 1\text{N/mm}^2$
- Opening time adherence 30 minutes: $\geq 0.5\text{N/mm}^2$
- Slip: $\leq 0.5\text{ mm}$
- Deformation: $\geq 2.5\text{ mm}$ and $< 5\text{ mm}$
- Water retention CSTB: 99.0 %
- Behavior against fire: A1 Euroclass

*** All the information described has been obtained with standard essays and it can oscillate depending on the workplace conditions.*

Enforcements

- White or grey flexible glue mortar with thin layer for the facades coating and pavements with heavy traffic, with ceramic, marble, natural stone... with or without absorption and with small or big format.
- Outdoors and indoors.
- Heating floors.

Supports

- The usual at the workplace.
- Plaster, plasterboard, mortar, ceramic, concrete, anhydrite...
- Concrete floors in cement base

Enforcement tips

- Application temperatures from 5°C to 30°C.
- The water percentage can oscillate depending on the used mixer.
- On facades perform expansion joints each 30-60 m² depending on the format, as well as perimeter joints in cornices, floor structures ...
- During placement, avoid water filtration between the support and the piece.
- Protect the superior edges with the final coating with cornices, rain gutters...
- Leave a 5 mm. minimum joint outdoors and 2 mm indoors.
- For joint refill, use **Pavicolor**.

Execution conditions

- The support has to be resistant, its setting complete and it has to be without dust, oil, greases
- Sanitize the disaggregating parts.
- Use mesh between different nature supports.
- On supports exposed to the sun or very absorbent it is recommended to moisten them previously.
- Over cement, concrete base... their setting has to be completed (≥ 28 days).
- In great format coatings ($\geq 40\text{kg/m}^2$) it is indispensable to use a mechanical anchorage.

Cemcol Flexible C2TE-S1® Thin layer flexible glue mortar

Usage way

Knead the contents of the bag (25 kg) with 5-7 litres of clean water with a slow mixer until a homogeneous, lump-free dough is obtained, leave to stand for 5 minutes and re-mix. Leave to stand for 5 minutes and knead again.

Apply the material preferably with a notched trowel, double gluing for large format and heavy pieces.

Lay the tiles, pressing and moving up and down until the grooves of the glue mortar are flattened.

** Before laying the tiles, check that the tile adhesive has not formed a surface film as this would prevent adhesion. If this is the case, comb again with a notched trowel.*

Associated products

- Pavicolor PLUS
- Pavicolor HD
- Pavicolor ECO
- Pavicolor wide joint
- Pavicolor thin joint
- Pavicolor flexible



Packing

25 kg paper sack
1200 kg pallet (48 sacks)

Colors

White and grey

Consumption

Simple paste: 3-4 kg/m²
Double paste: 5-6 kg/m²

** These consumptions can oscillate depending on the workplace conditions.*

Preservation

In sealed original packaging, protected from
weather and humidity: 1 year

References

*** With more than 40 kg/m² flagstones use a mechanical anchorage*

Low absorption: Absorption under 3%
Medium absorption: Absorption between 3-10%
High absorption: Absorption over 10%

⚠ IMPORTANT

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Cemcol Flexible C2TE-S1®

Thick layer flexible glue mortar

Cement, selected and limy arid, organic and inorganic additives



Product

- High performance
- Thickness up to 20 mm
- High adhesion
- Suitable for water immersion

Observations

- Direct insolation and wind causes a lower mortar opening time and implies a lower adherence.
- Do not apply with rain risk outdoors or with humidity superior to 3% indoors.
- On outdoor floors, the support has to have minimum 1% inclination in order to evacuate water.
- Do not apply the flagstone, stone, marble... in a "touches" way

Characteristics

- Rest time after the kneading: 5 minutes and knead again before the application
- Approximate rectification time: 30 minutes
- Paste life: 4 hours approximately
- Time to rejoin: 24 hours on coatings and 48 hours on pavements.

** These times can considerably oscillate depending on the ambient temperature.*

Performances (UNE- EN12004)

- Kneading water (in laboratory): 22%
- Initial adherence: ≥ 1 N/mm²
- Adherence after immersion: ≥ 1 N/mm²
- Adherence after heat ageing: ≥ 1 N/mm²
- Adherence after frost-thaw cycles ≥ 1 N/mm²
- Opening time adherence 30 minutes: ≥ 0.5 N/mm²
- Slip: ≤ 0.5 mm
- Deformation: ≥ 2.5 mm and < 5 mm
- Water retention CSTB: 99.0 %
- Behavior against fire: A1 Euroclass

*** All the information described has been obtained with standard essays and it can oscillate depending on the workplace conditions.*

Enforcements

- White or grey flexible glue mortar with thick layer for any kind of ceramic flagstones placement (double fring, single fring, porcelain stoneware, clinker, marble...) with or without absorption and small or big format.
- Outdoors or indoors pavements.
- Heating floors.

Supports

- The usual at the workplace.
- Concrete floors in cement base.

Enforcemet tips

- Application temperatures from 5°C to 30°C.
- The water percentage can oscillate depending on the used mixer.
- Perform the necessary joints treatment in order to protect the ceramic pavements from expansions and contractions.
- During the placement, avoid water filtration between the support and the piece.
- On heating floors, it has to be turned off 48 hours before the placement.
- It is advisable to leave a 2 mm indoor minimum joint and 5 mm outdoor minimum joint between pieces.
- Respect perimeter joints and structural joints.
- On indoors pavements leave the partition joints each 50 m² and 30 m² if it is outdoors.
- For filling joints use **Pavicolor**.

Execution conditions

- The support has to be resistant, it's setting complete and it has to be without dust, oil, greases...
- Sanitize the disaggregating parts.
- Use mesh between different nature supports.
- On supports exposed to the sun or very absorbent it is recommended to moisten them previously.
- Over cement, concrete base... its setting has to be completed (≥ 28 days).
- Adhesion in indoors and outdoors, without previous levelling, until a 15 mm thickness.

Cemcol Flexible C2TE-S1®

Thick layer flexible
glue mortar

Usage way

Knead the contents of the sack (25 kg) with 5-7 litres of clean water with a slow mixer until a homogeneous, lump-free mass is obtained, leave to stand for 5 minutes and re-mix. Leave to stand for 5 minutes and knead again.

Apply the material preferably with a notched trowel.

Lay the tiles, pressing and moving, until the grooves of the adhesive mortar are flattened. Before laying the tiles, check that the adhesive cement has not formed a superficial film, as this would prevent adhesion. If this is the case, comb the tiles again with a notched trowel.

Associated products

- Pavicolor PLUS
- Pavicolor HD
- Pavicolor ECO
- Pavicolor wide joint
- Pavicolor thin joint
- Pavicolor flexible



Packing

25 kg paper sack
1200 kg pallet (48 sacks)

Colors

Blanco y gris

Consumption

4 – 6 Kg/m²

** These consumptions can oscillate depending on the workplace conditions.*

Preservation

1 year from the fabrication date, in the closed original package and sheltered from outdoors

References

Low absorption: Absorption under 3%
Medium absorption: Absorption between 3-10%
High absorption: Absorption over 10%

⚠ IMPORTANT

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Cemcol Fluid C2F-S1®

Fluid glue mortar

Cement, siliceous and limy arid, organic and inorganic additives and resins.



Product

- Fluid
- For all types of ceramic tiles
- Indoors and outdoors
- Without double bonding
- Fast setting

Observations

- Wind causes a lower mortar opening time and implies a lower adherence.
- Do not apply with stuck water or with rain risk outdoors, or with a 3% superior humidity indoors.
- On outdoors floors, the support has to have a minimum 1% inclination for the water evacuation.
- In heating floors, it has to be turned off 48 hours before.

Characteristics

- Rest time after the kneading: 2 minutes and knead again before the application.
- Rectification life: 15-20 minutes.
- Paste life: 30 minutes approximately.
- Maximum recommended thickness: 10 mm
- Minimum recommended thickness: 3 mm
- Time to rejoin: 1 hour after the setting.
- Operating disposal time:
 - **Normal traffic: 5-8 hours after the setting.
 - **Heavy traffic: 24 hours after the setting.

** These times can be longer or shorter depending on the climatology and the ambient temperature.*

Performances

- Kneading water (in laboratory): 24%
- Initial adherence: ≥ 1 N/mm²
- Adherence after water immersion: ≥ 1 N/mm²
- Adherence after heat ageing: ≥ 1 N/mm²
- Adherence after frost-thaw cycles: ≥ 1 N/mm²
- Adherencia inicial a 6 horas: $\geq 0,5$ N/mm²
- Transversal deformation: $\geq 2,5$ - < 5 mm
- Behavior against fire: A1 Euroclase

*** All the information described has been obtained with standard essays and it can oscillate depending on the workplace conditions.*

Enforcements

- Fluid glue mortar with quick setting, for small and great format, absorbent and nonabsorbent ceramic flagstones, marble, granite placement with a simple paste.
- Outdoors and indoors pavements.
- Special for heavy traffic and great surfaces pavements.
- Fit for heating floors.

Supports

- **Pavifuid-200, Floor Recrecido.**
- Existing ceramic pavements.
- Concrete.
- Cement base.
- Painted floors (previous preparation).

Enforcement tips

- Application temperatures from 5 °C to 30°C.
- The water percentage can oscillate depending on the used mixer.
- Perform the joints adequate treatment in order to protect the ceramic pavements from contractions and expansions.
- Leave joints between pieces with minimum 2-3 mm sticks placements indoors and 5 mm outdoors.
- On outdoor floors, support has to have a minimum 1% inclination for water evacuation.
- Respect perimeter joints, expansion joints and structural joints.
- For filling joints use **Pavicolor**.

Execution conditions

- The support has to be resistant, its setting complete and it has to be without dust, oil, greases...
- Over ceramic pavements, eliminate the loose or bad adhered and sanitize the disaggregating parts.
- The flatness differences cannot be superiors to 5 mm.
- Over cement, concrete base... their setting have to be completed (≥ 28 days).
- Avoid application with direct insolation and air streams.

Cemcol Fluid C2F-S1®

Fluid glue mortar

Usage way

Knead the contents of the bag (25 kg) with 5-7 litres of clean water with a slow mixer until a homogeneous, lump-free dough is obtained. Leave to stand for 5 minutes and knead again.

Pour the mortar and then comb with a notched trowel to regularise the desired thickness. Before laying the tiles, check that the cement glue has not formed a surface film as this would prevent adhesion. If this is the case, comb again with the notched trowel.

Lay the tiles, pressing and moving them until the grooves are flattened.

** Clean the materials remains over the ceramic with a wet applied sponge.*

Associated products

- Pavicolor PLUS
- Pavicolor HD
- Pavicolor ECO
- Pavicolor wide joint
- Pavicolor thin joint
- Pavicolor flexible



Packing

25 kg paper sack
1200 kg pallet (48 sacks)

Colors

White and grey

Consumption

4 – 6 Kg/m² and according to ceramics

** These consumptions can oscillate depending on the workplace conditions.*

Preservation

1 year from the fabrication date, in the closed original package and sheltered from outdoors

⚠ IMPORTANT

The observations and prescriptions of this data sheet, although corresponding to our best experience, should be considered, in any case, purely indicative, and should be tested by exhaustive practical applications; therefore, before using the product, the user must establish whether or not it is suitable for the intended use, and assumes all liability that may arise from its use. Once the product has been handled or applied, the manufacturer shall not assume any claim whatsoever, nor any liability as to the manner, mode and conditions of application.

Cemcol Lanic C1TE-S1®

Glue mortar

Cement, siliceous and limy arid, organic and inorganic additives



Product

- Especially for plasterboard
- Highly flexible
- Excellent adhesion
- For interior floor and wall coverings
- For exterior flooring

Observations

- Direct insolation and wind cause a lower mortar opening time and implies a lower adherence.
- Do not apply with rain risk outdoors, or with a 3% superior humidity indoors.
- On outdoors floors, the support has to have a minimum 1% inclination for the water evacuation.
- Over plasterboard, verify the partition rigidity.
- Do not apply the flagstone, stone, marble... in a "touches" way.

Characteristics

- Rest time after the kneading: 5 minutes and knead again before the application.
- Approximate rectification time: 30 minutes
- Paste life: 4 hours approximately
- Time to rejoin: 24 hours on coatings and 48 hours on pavements.

** These times can considerably oscillate depending on the ambient temperature.*

Performances (UNE- EN12004:2008)

- Kneading water (in laboratory): 24%
- Mass density: 1700 kg/m³
- Water retention CSTB: 99.0%
- Initial adherence: ≥ 0.5 N/mm²
- Adherence after water immersion: ≥ 0.5 N/mm²
- Adherence after frost-thaw cycles: ≥ 0.5 N/mm²
- Adherence after heat ageing: ≥ 0.5 N/mm²
- Opening time adherence: ≥ 0.5 N/mm²
- Deformation: ≥ 2.5 mm - < 5 mm
- Slip: ≤ 0.5 mm
- Behavior against fire: A1 Euroclass

*** All the information described has been obtained with standard essays and it can oscillate depending on the workplace conditions.*

Enforcements

- For ceramic flagstones placement, with or without absorption, small and great format, especially for porcelain stoneware placement indoors.
- On outdoors pavements.
- On indoors pavements and coatings.
- Fit for immersion.
- Fit for swimming pools.

Supports

- The usual at the workplace.
- Plaster, plasterboard, mortar, ceramic, concrete...
- Concrete floors in cement base.

Enforcement tips

- Application temperatures from 5°C to 30°C.
- The water percentage can oscillate depending on the used mixer.
- With great format pieces, perform always double paste.
- During placement, avoid water filtration between the support and the piece.
- It is advisable to leave joints between pieces, 2 mm indoors and 5 mm outdoors.
- Respect perimeter joints and structural joints.
- On indoors pavements leave partition joints each 50 m² and 30m² outdoors.
- For filling joints use **Pavicolor**.

Execution conditions

- The support has to be resistant, its setting complete and it has to be without dust, oil, greases...
- Sanitize the disaggregating parts.
- Use mesh between different nature supports.
- On supports exposed to the sun or very absorbent it is recommended to moisten them previously.
- Over cement, concrete base... their setting has to be completed (≥ 28 days).
- Ideal for placement of porcelain stoneware, low and medium absorption flagstones indoors and medium and high absorption flagstones on outdoor pavements.
- Avoid application with direct insolation, air streams, rain risk...

Cemcol Lanic C1TE-S1®

Glue mortar

Usage way

Knead the contents of the bag (25 kg) with 5-7 litres of clean water with a slow speed mixer until a homogeneous, lump-free dough is obtained. Leave to stand for 5 minutes and re-mix before application.

Apply the material preferably with a notched trowel.
Double glue for large format and heavy tiles.

Lay the tiles, pressing and moving up and down until the grooves of the glue mortar are flattened.

Before laying the tiles, check that the tile adhesive has not formed a surface film as this would prevent adhesion. If this is the case, comb again with a notched trowel.

Associated products

- Cemcol porcelain tile C1TE
- Pavicolor PLUS
- Pavicolor HD
- Pavicolor ECO
- Pavicolor wide joint
- Pavicolor thin joint
- Pavicolor flexible



Packing

25 kg paper sack
1200 kg pallet (48 sacks)

Colors

White and grey

Consumption

Simple paste: 3-4 kg/m²
Double paste: 5-6 kg/m²

** These consumptions can oscillate depending on the workplace conditions..*

Preservation

1 year from the fabrication date, in the closed original package and sheltered from outdoors

References

Low absorption: Absorption under 3%
Medium absorption: Absorption between 3-10%
High absorption: Absorption over 10%

⚠ IMPORTANT

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Cemcol Max C2TE-S2®

Deformable glue mortar

Cement, siliceous and limy arid, organic and inorganic additives.



Product

- Specially for facades
- Suitable for immersion in water
- No slipperiness
- Swimming pool coating

Observations

- Direct insolation and wind cause a lower mortar opening time and implies a lower adherence
- Do not apply with rain risk outdoors, or with a 3% superior humidity indoors
- On outdoors floors the support has to have a minimum 1% inclination for the water evacuation
- In heating floors, it has to be turned off 48 hours before its placement
- Over plasterboard, verify the partition rigidity
- Do not apply the flagstone, stone, marble... in a "touches" way

Characteristics

- Rest time after the kneading: 5 minutes and knead again before the application
- Approximate rectification time: 45 minutes
- Paste life: 4 hours approximately
- Time to rejoin: 24 hours on coatings and 48 hours on pavements .

** These times can considerably oscillate depending on the ambient temperature.*

Performances (UNE-EN12004)

- Kneading water (in laboratory): 28%
- Initial adherence: ≥ 1 N/mm²
- Adherence after water immersion: ≥ 1 N/mm²
- Adherence after heat ageing: ≥ 1 N/mm²
- Adherence after frost-thaw cycles: ≥ 1 N/mm²
- Opening time adherence 20 min.: ≥ 0.5 N/mm²
- Deformation: ≥ 2 - ≤ 5 mm
- Slip: ≤ 0.5 mm
- Behavior against fire: A1 Euroclase

*** Toda la información descrita se ha obtenido de ensayos estándar y pueden variar en función de las condiciones de puesta en obra.*

Enforcements

- High performances white – grey glue mortar with thin layer to coat pavements and facades with great surfaces from ceramic, porcelain stoneware and natural stones with great format and nonabsorbent as well as the isolation materials paste as rock wool, wood extruded fiber, expanded polystyrene...
- Indoors and outdoors.
- Heating floors.
- Water immersion.
- For swimming pool coating.

Supports

- Concrete floors and cement base.
- Concrete blocks, rigid plaster board, ceramic facing, anhydrite...

Enforcement tips

- Application temperatures from 5°C to 30°C.
- The water percentage can oscillate depending on the used mixer.
- On facades, perform expansion joints each 30/60 m² depending on the format, as well as perimeter joints in cornices, floor structures...
- During placement, avoid water filtration between the support and the piece.
- Protect the superior edges with the final coating with cornices, rain gutters ...
- Leave a 5 mm joint. Minimum outdoors and 2 mm indoors.
- For joint refill, use **Pavicolor**.

Execution conditions

- The support has to be resistant, its setting complete and it has to be without dust, oil, greases ...
- Sanitize the disaggregating parts.
- Use mesh between different nature supports.
- On supports exposed to the sun or very absorbent it is recommended to moisten them previously.
- Over cement, concrete base... its setting has to be completed (≥ 28 days).
- On great format coatings (≥ 40 kg/m²) it is indispensable to use mechanical anchorage.
- Avoid application with direct insolation and air streams.

Cemcol Max C2TE-S2®

Deformable glue mortar

Usage way

Knead the contents of the bag (25 kg) with 7 - 8 litres of clean water with a slow mixer until a homogeneous, lump-free dough is obtained. Leave to stand for 5 minutes and re-mix.

Apply the material preferably with a notched trowel.
Before laying the tiles, check that the tile adhesive has not formed a surface film, as this would prevent adhesion. If this is the case, comb again with a notched trowel.

Lay the tiles, pressing and moving up and down until the grooves of the adhesive mortar are completely flattened.

** Proceed with a double paste for great format pieces and elevated weight.*

Associated products

- Pavicolor PLUS
- Pavicolor HD
- Pavicolor ECO
- Pavicolor wide joint
- Pavicolor thin joint
- Pavicolor flexible



Packing

25 kg paper sack
1200 kg pallet (48 sacks)

Colors

White and grey

Consumption

Simple paste: 3-4 kg/m²
Double paste: 5-6 kg/m²

** These consumptions can oscillate depending on the workplace conditions.*

Preservation

1 year from the fabrication date, in the closed original package and sheltered from outdoors

References

Low absorption: Absorption under 3%
Medium absorption: Absorption between 3-10%
High absorption: Absorption over 10%

⚠ IMPORTANT

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Cemcol Porcelánico C2®

Glue mortar

Cement, siliceous and limy arid, organic and inorganic additives.



Product

- Especially for swimming pools
- Excellent adhesion
- Good performance
- Special for porcelain stoneware

Observations

- Direct sunlight and wind cause a shorter open time of the mortar and lead to a lower adhesion.
- Do not apply when there is a risk of rain in exteriors, or when humidity exceeds 3% in interiors.
- On exterior floors, the substrate must have a minimum slope of 1% for water drainage.
- On plasterboard, check the level of rigidity of the partition.
- Do not apply the tile, stone, marble... in the form of "touches".

Characteristics

- Resting time after mixing: 5 minutes and re-knead before application.
- Approximate rectification time: 30 minutes
- Pot life: 4 hours approximately
- Time for grouting: 24 hours for coverings and 48 hours for floorings.

** These times can considerably oscillate depending on the ambient temperature.*

Performances (UNE- EN12004)

- Kneading water (in laboratory): 24%
- Mass density: 1700 kg/m³
- Water retention CSTB: 99.0%
- Initial adherence: ≥ 0.5 N/mm²
- Adherence after water immersion: ≥ 0.5 N/mm²
- Adherence after frost-thaw cycles: ≥ 0.5 N/mm²
- Adherence after heat ageing: ≥ 0.5 N/mm²
- Opening time adherence: ≥ 0.5 N/mm²
- Slip: ≤ 0.5 mm
- Behavior against fire: A1 Euroclass

*** Toda la información descrita se ha obtenido de ensayos estándar y pueden variar en función de las condiciones de puesta en obra.*

Enforcements

- For ceramic flagstones placement, with or without absorption, small and great format, especially for porcelain stoneware placement indoors.
- On outdoors and indoors pavements.
- On indoor coatings.
- Fit for immersion.
- Fit for swimming pools.

Supports

- The usual at the workplace.
- Plaster, plasterboard, mortar, ceramic, concrete...
- Concrete floors in cement base.

Enforcement tips

- Application temperatures from 5°C to 30°C.
- The water percentage can oscillate depending on the used mixer.
- With great format pieces, perform always double paste.
- During placement, avoid water filtration between the support and the piece.
- It is advisable to leave joints between pieces, 2 mm indoors and 5 mm outdoors.
- Respect perimeter joints and structural joints.
- On indoors pavements leave partition joints each 50 m² and 30 m² outdoors.
- For filling joints use **Pavicolor**.

Execution conditions

- The substrate must be resistant, completely cured and free of dust, oil, grease, etc.
- Clean disintegrated parts.
- Use mesh between substrates of different types.
- On supports exposed to the sun or very absorbent, it is recommended to dampen them beforehand.
- On cement base, concrete... these must be completely set (28 days).
- Suitable for fixing porcelain stoneware, low and medium absorption tiles in interiors and medium and high absorption tiles in exteriors.
- Avoid application in direct sunlight.

Cemcol Porcelánico C2®

Glue mortar

Usage way

Knead the contents of the bag (25 kg) with 5-7 liters of clean water with a slow speed beater until a homogeneous mass is obtained and free of lumps. Let it rest 5 minutes and re-knead.

Extend the material with a notched trowel in small panels. Proceed with a double paste for great format pieces and elevated weight.

Place the flagstones, pressing and moving from up to down until obtaining the glue mortar grooves crushing.

Before placing the ceramic, verify that the glue cement has not formed a superficial skin, as it would avoid its adhesion. In such a case, apply the notched trowel again.

Associated products

- Cemcol Ianic C1TE-S1
- Pavicolor PLUS
- Pavicolor HD
- Pavicolor ECO
- Pavicolor wide joint
- Pavicolor thin joint
- Pavicolor flexible



Packing

25 kg paper sacks
1200 kg pallet (48 sacks)

Colors

White and grey

Consumption

Simple paste: 3-4 kg/m²
Double paste: 5-6 kg/m²

** These consumptions can oscillate depending on the workplace conditions.*

Preservation

1 year from the fabrication date, in the closed original package and sheltered from outdoors

References

Low absorption: Absorption under 3%
Medium absorption: Absorption between 3-10%
High absorption: Absorption over 10%

⚠ IMPORTANT

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Cemcol Porcelain C2TE®

Glue mortar

Cement, siliceous and limy arid, organic and inorganic additives



Product

- Especially for swimming pools
- Excellent adhesion
- Good performance
- Special for porcelain stoneware

Observations

- Direct insolation and wind cause a lower mortar opening time and implies a lower adherence
- Do not apply with rain risk outdoors, or with a 3% superior humidity indoors
- On outdoors floors the support has to have a minimum 1% inclination for the water evacuation
- Over plasterboard, verify the partition rigidity
- Do not apply the flagstone, stone, marble... in a "touches" way

Characteristics

- Rest time after the kneading: 5 minutes and knead again before the application
- Approximate rectification time: 30 minutes
- Paste life: 4 hours approximately
- Time to rejoin: 24 hours on coatings and 48 hours on pavements .

** These times can considerably oscillate depending on the ambient temperature.*

Performances (UNE- EN12004)

- Kneading water (in laboratory): 24%
- Mass density: 1700 kg/m³
- Water retention CSTB: 99.0%
- Initial adherence: ≥ 0.5 N/mm²
- Adherence after water immersion: ≥ 0.5 N/mm²
- Adherence after frost-thaw cycles: ≥ 0.5 N/mm²
- Adherence after heat ageing: ≥ 0.5 N/mm²
- Opening time adherence: ≥ 0.5 N/mm²
- Slip: ≤ 0.5 mm
- Behavior against fire: A1 Euroclass

*** Toda la información descrita se ha obtenido de ensayos estándar y pueden variar en función de las condiciones de puesta en obra.*

Enforcements

- For ceramic flagstones placement, with or without absorption, small and great format, especially for porcelain stoneware placement indoors.
- On outdoors and indoors pavements.
- On indoor coatings.
- Fit for immersion.
- Fit for swimming pools.

Supports

- The usual at the workplace.
- Plaster, plasterboard, mortar, ceramic, concrete...
- Concrete floors in cement base.

Enforcement tips

- Application temperatures from 5°C to 30°C.
- The water percentage can oscillate depending on the used mixer.
- With great format pieces, perform always double paste.
- During placement, avoid water filtration between the support and the piece.
- It is advisable to leave joints between pieces, 2 mm indoors and 5 mm outdoors.
- Respect perimeter joints and structural joints.
- On indoors pavements leave partition joints each 50 m² and 30 m² outdoors.
- For filling joints use **Pavicolor**.

Execution conditions

- The support must be resistant, completely hardened and free of dust, oil, grease, etc...
- Sanitize the disintegrated parts.
- Use mesh between supports of different nature.
- In supports exposed to the sun or very absorbent it is recommended to moisten them previously.
- On cement base, concrete... these must be completely set (28 days).
- Suitable for the installation of porcelain stoneware, low and medium absorption tiles in interiors and medium and high absorption tiles in exteriors.
- Avoid application in direct sunlight.

Cemcol Porcelain C2TE®

Glue mortar

Usage way

Knead the contents of the bag (25 kg) with 5-7 liters of clean water with a slow speed beater until a homogeneous mass is obtained and free of lumps. Let it rest 5 minutes and re-knead..

Extend the material with a notched trowel in small panels. Proceed with a double paste for great format pieces and elevated weight.

Place the flagstones, pressing and moving from up to down until obtaining the glue mortar grooves crushing.

Before placing the ceramic, verify that the glue cement has not formed a superficial skin, as it would avoid its adhesion. In such a case, apply the notched trowel again.

Associated products

- Cemcol Ianic C1TE-S1
- Pavicolor PLUS
- Pavicolor HD
- Pavicolor ECO
- Pavicolor wide joint
- Pavicolor thin joint
- Pavicolor flexible



Packing

25 kg paper sack
1200 kg pallet (48 sacks)

Colors

White and grey

Consumption

Simple paste: 3-4 kg/m²
Double paste: 5-6 kg/m²

** These consumptions can oscillate depending on the workplace conditions.*

Preservation

1 year from the fabrication date, in the closed original package and sheltered from outdoors

References

Low absorption: Absorption under 3%
Medium absorption: Absorption between 3-10%
High absorption: Absorption over 10%

⚠ IMPORTANT

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Cemcol Porcelain C1TE®

Glue mortar

Cement, siliceous and limy arid, organic and inorganic additives



Product

- Special for swimming pools
- Excellent adhesion
- Good performance
- Special for porcelain stoneware

Observations

- Direct insolation and wind cause a lower mortar opening time and implies a lower adherence
- Do not apply with rain risk outdoors, or with a 3% superior humidity indoors
- On outdoors floors the support has to have a minimum 1% inclination for the water evacuation
- Over plasterboard, verify the partition rigidity
- Do not apply the flagstone, stone, marble... in a "touches" way

Characteristics

- Rest time after the kneading: 5 minutes and knead again before the application
- Approximate rectification time: 30 minutes
- Paste life: 4 hours approximately
- Time to rejoin: 24 hours on coatings and 48 hours on pavements .

** These times can considerably oscillate depending on the ambient temperature.*

Performances (UNE- EN12004)

- Kneading water (in laboratory): 24%
- Mass density: 1700 kg/m³
- Water retention CSTB: 99.0%
- Initial adherence: ≥ 0.5 N/mm²
- Adherence after water immersion: ≥ 0.5 N/mm²
- Adherence after frost-thaw cycles: ≥ 0.5 N/mm²
- Adherence after heat ageing: ≥ 0.5 N/mm²
- Opening time adherence: ≥ 0.5 N/mm²
- Slip: ≤ 0.5 mm
- Behavior against fire: A1 Euroclass

*** Toda la información descrita se ha obtenido de ensayos estándar y pueden variar en función de las condiciones de puesta en obra.*

Enforcements

- For ceramic flagstones placement, with or without absorption, small and great format, especially for porcelain stoneware placement indoors.
- On outdoors and indoors pavements.
- On indoor coatings.
- Fit for immersion.
- Fit for swimming pools.

Supports

- The usual at the workplace.
- Plaster, plasterboard, mortar, ceramic, concrete ...
- Concrete floors in cement base.

Enforcement tips

- Application temperatures from 5°C to 30°C.
- The water percentage can oscillate depending on the used mixer.
- With great format pieces, perform always double paste.
- During placement, avoid water filtration between the support and the piece.
- It is advisable to leave joints between pieces, 2 mm indoors and 5 mm outdoors.
- Respect perimeter joints and structural joints.
- On indoors pavements leave partition joints each 50 m² and 30 m² outdoors.
- For filling joints use **Pavicolor**.

Execution conditions

- The support has to be resistant, its setting complete and it has to be without dust, oil, greases...
- Sanitize the disaggregating parts.
- Use mesh between different nature supports.
- On supports exposed to the sun or very absorbent it is recommended to moisten them previously.
- Over cement, concrete base... their setting has to be completed (≥ 28 days).
- Ideal for placement of porcelain stoneware, low and medium absorption flagstones indoors and medium and high absorption flagstones on outdoor pavements.
- Avoid application with direct insolation.

Cemcol Porcelain C1TE®

Glue mortar

Usage way

Knead the contents of the bag (25 kg) with 5-7 liters of clean water with a slow speed beater until a homogeneous mass is obtained and free of lumps. Let it rest 5 minutes and re-knead.

Extend the material with a notched trowel in small panels. Proceed with a double paste for great format pieces and elevated weight.

Place the flagstones, pressing and moving from up to down until obtaining the glue mortar grooves crushing.

Before placing the ceramic, verify that the glue cement has not formed a superficial skin, as it would avoid its adhesion. In such a case, apply the notched trowel again.

Associated products

- Cemcol Ianic C1TE-S1
- Pavicolor PLUS
- Pavicolor HD
- Pavicolor ECO
- Pavicolor wide joint
- Pavicolor thin joint
- flexible peacock



Packing

25 kg paper sack
1200 kg pallet (48 sacks)

Colors

White and grey

Consumption

Simple paste: 3-4 kg/m²
Double paste: 5-6 kg/m²

** These consumptions can oscillate depending on the workplace conditions.*

Preservation

1 year from the fabrication date, in the closed original package and sheltered from outdoors

References

Low absorption: Absorption under 3%
Medium absorption: Absorption between 3-10%
High absorption: Absorption over 10%

⚠ IMPORTANT

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Cemcol SD®

Conventional glue mortar

Cement, siliceous and limestone aggregates, organic and inorganic admixtures



Product

- Interior floor and wall coverings
- Good workability
- No sagging

Observations

- Preview uses: flagstones and tiles for indoor floors and walls.
- Not suitable for outdoors applications.
- Wind causes a lower mortar opening time and implies a lower adherence.
- On plaster supports use **Cemcol Especial Yeso, Flexible or Porcelánico**.
- Do not apply the flagstone, stone, marble... in a "touches" way

Characteristics

- Rest time after the kneading: 5 minutes and knead again before the application
- Approximate rectification time: 30 minutes
- Paste life: 3 hours approximately
- Joint refill: 24 hours on coatings and 48 hours on pavements.

** These times can considerably oscillate depending on the ambient temperature.*

Performances (UNE- EN12004)

- Kneading water (in laboratory): 24%
- Mass density: 1600 kg/m³
- Water retention: 98%
- Initial adherence: ≥ 0.5 N/mm²
- Adherence after water immersion: ≥ 0.5 N/mm²
- Slip: ≤ 0.5 mm
- Behavior against fire: A1 Euroclass

*** Toda la información descrita se ha obtenido de ensayos estándar y pueden variar en función de las condiciones de puesta en obra.*

Enforcement

- Thin-bed adhesive mortar for tile, ceramic, stoneware, marble and natural stone of medium and high porosity.
- For interior floor and wall coverings.

Supports

- Cement base floors, **Pavifuid 200**.
- Walls, rendering with **Revistamp Sec** or traditional mortar.

Enforcement tips

- Application temperatures from 5°C to 30°C.
- The water percentage can oscillate depending on the used mixer.
- Respect the kneading water.
- The flagstones has to be conventional (tiles) and with a medium or high absorption.
- It is advisable to leave joints between pieces, 2 mm indoors and 5 mm outdoors.
- Respect perimeter joints and structural joints.
- On indoors pavements leave the partition joints each 50 m².
- For filling joints use **Pavicolor**.

Execution conditions

- The support has to be resistant, its setting complete and it has to be without dust, oil, greases...
- Sanitize the disaggregating parts.
- Use mesh between different nature supports.
- On supports exposed to the sun or very absorbent it is recommended to moisten them previously.
- Over cement, concrete base... their setting has to be completed (≥ 28 days).

Cemcol SD®

Conventional glue mortar

Usage way

Knead the contents of the bag (25 kg) with 5-7 liters of clean water with a slow speed beater until a homogeneous mass is obtained and free of lumps. Let it rest 5 minutes and re-knead.

Extend the material with a notched trowel in small panels. Place the flagstones-tiles, pressing and moving from up to down until obtaining the glue mortar grooves crushing.

** Before placing the ceramic, verify that the glue cement has not formed a superficial skin, as it would avoid its adhesion. In such a case, apply the notched trowel again.*

Associated products

- Pavicolor PLUS
- Pavicolor HD
- Pavicolor ECO
- Pavicolor wide joint
- Pavicolor thin joint
- Pavicolor flexible



Packing

25 kg paper sack
1200 kg pallet (48 sacks)

Colors

White and grey

Consumption

(Depending on gluing)

Simple paste: 3-4 kg/m²
Double paste: 5-6 kg/m²

Preservation

1 year from the fabrication date, in the closed original package and sheltered from outdoors

References

Low absorption: Absorption under 3%
Medium absorption: Absorption between 3-10%
High absorption: Absorption over 10%

⚠ IMPORTANT

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Pavicolor Eco

Vitrified adhesive-joint 100% recycled aggregates

Technically reconstituted mortar, on recycled aggregates base and crystal pearls.



Observations

DO NOT USE:

- As a joint on porous surface pavements.
- Where superior chemical resistances or different to the indicated on the resistances table chemical resistances are required.
- For expansion and division elastic joints refill
- Over wet supports or supports subjected to continuous rising.

Usage characteristics

- Rest time after the kneading: 2 minutes
- Mass life: 50 minutes
- For the rejoin:
 - **Maximum cleaning time: immediately
 - **Operating disposal: 3-4 days
 - **Operating disposal in swimming pools: 7 days
 - **Total setting: 7 days
- For the paste:
 - **Hardening time: 14-20 hours
 - **Total setting: 7 days
 - **Paste thickness: 3-10 mm

** These times are contemplated with 20°C and can considerably oscillate depending on the ambient temperature.*

Performances

- Mixture A+B Density: 1,49 Kg/l
- Opening time: 40 minutos
- Water absorption after 240 min: 0.05 gr
- Retraction: 0,01 mm/m
- Compression resistance: ≥ 20 Mpa
- Compression resistance after frost-thaw cycles: > 15 Mpa
- Chemical nature "A": Poliamina
- Chemical nature "B": Epoxy Resin
- Bending resistance: > 5 Mpa
- Bending resistance after frost-thaw cycles: > 5 Mpa
- On concrete adherence: 1,5 N/mm²
- Adherence after heat essay 14 days/70°C: 1,2 N/mm²

*** All the information described has been obtained with standard essays and it can oscillate depending on the workplace conditions.*

Enforcements

- Adhesive and polyvalent vitrified joint for placement and rejoin of vitreous mosaic, ceramic, Clinker, porcelain stoneware, 100% recycled aggregates with glass pearls.
- For joint refills from 0 to 25 mm.
- Special for swimming pools, heating floor, chemical industries, laboratories, hospitals...
- Excellent adherence and mechanical resistance.
- With bacteria static, fungi static properties, without biocides substances.
- Indoors
- See resistances tables pg. 03 and 04.

Enforcement tips

- Application temperatures from 5°C to 30°C.
- Respect always the same mixture proportion.
- Avoid application in rainy or very wet weather, with frost risk, with direct insolation or strong wind.
- It can be immediately cleaned with a sponge and clean water.
- **Important:** once it is hardened, the mortar cannot be eliminated.
- Respect always the perimeter joint, expansion and division joint.

Execution conditions

- FOR THE REJOINT: the joints between the flagstone or pieces have to be clean, dry and without dust. Before the rejoin, in applications over porous or absorbent surfaces, perform a treatment to the flagstones with **Protector Pavistamp** before proceeding with the rejoin in order to avoid that the pieces get stained.

Before the rejoin, let it rest 4-6 hours from the coating or pavement placement.

- FOR THE PASTE: The support has to be compact, resistant and non-friable, without dust, oil and grease. Over very absorbent bases it is advisable to apply a coat of **Paviplast Epoxi** diluted to 30% with water.

Ceramic placement with **Pavicolor Eco** has to be rejoin with the same mortar.

Apply in little panels, in order to facilitate the cleaning time.

Pavicolor Eco

Vitrified adhesive-joint 100%
recycled aggregates

Usage way

Kneading:

Spill Component **B** over the Component **A**, mix with a helical whisk with low revolutions until obtaining a homogeneous mass without lumps.

Use as adhesive:

Extend the mortar with a notched trowel (maximum thickness 10 mm), place and press the flagstones until obtaining the grooves crushing.

Use as rejoin:

Refill the joints between flagstones in little surfaces with hard rubber trowel and in a diagonal direction to the flagstones; remove immediately with the trowel the product remains leaving only a thin veil over the flagstone.

On great surfaces it can be applied with refillable pistol.

Eliminate the products remains with a wet sponge with clear water and proceed in a rotatory direction in order to eliminate the material veil on the surface. Finally, as many times as necessary, give a coat with a clean sponge with clean water.

A water excess during the cleaning damages the final product performances.

Product

- For joint filling from 0 to 25 mm
- For vitreous mosaic tile installation
- No water absorption
- Prevents the development of fungi and bacteria
- Anti-mould, bacteriostatic and fungicidal
- Porcelain vitrified appearance
- High chemical-mechanical resistance
- Freeze-thaw resistant



Packing

2 Kg. Package:

Kg. Component A: 1.700

Kg. Component B: 0.300

5 Kg. Package:

Kg. Component A: 4.250

Kg. Component B: 0.750

Color

Translucent White.

Other colors on demand.

Consumption

As adhesive: 2-4 kg/m²

As joint: see consumption table.

Preservation

(with sealed package)

1 year from the fabrication date, in the closed original package (20°C) and sheltered from outdoors.

! IMPORTANT

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Pavicolor Eco

Vitrified adhesive-joint 100%
recycled aggregates

Technical data according to Pavistamp Quality Norm

Aspect	Part A translucent white Part B liquid
Mixture ratio in weight:	Parts: 85 Component A 15 Component B
Density of the mixture	A + B 1,49 kg/l
Arid mineral nature	Crystalline (part A)
Chemical nature	Epoxide resin (part B)
Grain size	0 – 200 µm
Preservation	1 year in original package (no mixture)
Warnings	Protect from outdoors, direct insolation, heat sources...
Package	2 and 5 kg packs
Mixture ratio (2 kg)	Component A: 1,700 kg Component B: 0,300 kg
Mixture life with 20°C	± 50 min
Application temperatures	5 – 30 °C
Joint wide	0 – 25 mm
Able to passable	± 12 hours
Rejoint time after placement	
Pavicolor ECO in coating	Immediately
Pavicolor ECO on floor	When passable
With adhesive	See usages characteristics
With conventional mortar	> 10 days
Consumption	
As adhesive	2-4 kg/m ² (depending on format)
As joint	See consumptions table

**** The described information is based in laboratory, with ± 20 oC – 50 % H.R., and without air streams. This information can oscillate depending on the workplace, temperatures, ventilation, support...**

Yields table

grams/m ² joints wide						
	Format	Thickness	1 mm	2 mm	5 mm	10 mm
Mosaic	2x2 cm	3 mm	500	1000	2500	5000
	5x5 cm	5 mm	300	600	1500	3000
Flagstones	30x60 cm	4 mm	40	80	200	400
	50x50 cm	4 mm	30	60	150	300
	100x100 cm	4 mm	15	30	75	150
	20x20 cm	8 mm	150	300	750	1500
	30x30 cm	9 mm	110	220	550	1100
	40x40 cm	10 mm	90	180	450	900
	60x60 cm	10 mm	60	120	300	600
	100x100 cm	10 mm	30	60	150	300
	30x30 cm	14 mm	170	340	850	1700

Chemical resistance table

Acids	Concentration	Contact (permanent)	Contact (eventual)
Acetic	2,5%	2	3
Hydrochloric	37%	3	3
Citric	10%	2	3
Formic	10%	1	1
Lactic	2,5%	2	3
Nitric	25%	2	3
	50%	1	1
Oleic	100%	1	1
Sulphutic	50%	3	3
Sodium			
Caustic soda	50%	3	3

Results: 3= very good / 2= good / 1= low

Pavicolor Eco

Vitrified adhesive-joint 100%
recycled aggregates

Solvents products

Product	Contact (eventual)
Acetone	1
Ethyl alcohol	3
Chloroform	1
Benzene	2
Toluol	2
Xylol	2
Methylene chloride	1
Trielyn	1

Results: 3 = very good / 2 = good / 1 = low

Stain resistance

Product	30 min.	24 h.
Tea	2	4
Coffee	4	3
Hair dye	2	1
Red wine	4	4
Coca cola	4	3
Domestic oil	4	4

Results:

4 = cleanable with hot water applied with sponge

3 = cleanable with detergent and smooth coats with sponge

2 = cleanable after treatment with solvent or acid solution with sponge

1 = not cleanable

Alimentary agents

Product	Contact (eventual)
Vinegar	2
Citrus	3
Wine	3
Beer	3
Butter	3
Coffee	3
Yogurt	3
Olive oil	2

Results: 3 = very good / 2 = good / 1 = low

Oils - Combustibles

Product	Contact (eventual)
Mineral resin	3
Diesel	3
Gasoline	3
Oil	3

Results: 3 = very good / 2 = good / 1 = low

Descriptive memory (project)

As adhesive: Adhesive vitrified and polyvalent paste 100% recycled aggregates with glass pearls, with high resistance chemical- mechanical, waterproof and anti stains with bacteria static, fungi static properties without biocides substances for the vitreous mosaic, Clinker, porcelain stoneware as **Pavicolor Eco** placement at a rate of 2-4 kg/m². The support has to be compact, resistant and non-friable, without dust, oils and greases. Over very absorbent bases it is advisable to apply a coat with **Paviplast Epoxi** diluted to 30% with water. Always respect the expansion joint, perimeter joint and division joint. Ceramic placement with **Pavicolor Eco** has to be rejoin with the same mortar.

As paste:

Polyvalent vitrified joint with 0-25 mm as **Pavicolor ECO** for vitreous mosaic, ceramic, Clinker, porcelain stoneware rejoin... 100% recycled aggregates with glass pearls, with high chemical-mechanical resistance, waterproof and anti stains with bacteria static, fungi static properties without biocides substances. Always respect the expansion joint, perimeter joint and division joint. The support has to be compact, resistant and non-friable, without dust, oils and greases. Application with hard rubber trowel..., the final cleaning has to be done with adequate sponges and clean water.

Pavicolor Flex

Colored deformable mortar for joints (0 to 30mm)

Cement, selected arid, synthetic resins, organic and inorganic additive and mineral pigments.



Product

- Waterproof
- Deformable
- Fungicidal action
- Excellent adhesion

Observations

- Fungicide properties.
- Tight joints use: **Pavicolor plus**.
- Controlled retraction.

Characteristics

- Rest time after the kneading: 2 minutes
- Cleaning maximum time: 30-60 minutes
- Mass life: 60 minutes
- Dry touch: 1-2 hours
- Operating disposal: 3-4 days

** These times can considerably oscillate depending on the ambient temperature.*

Performances

- Dust density: 1.2-1.4 g/cm³
- Kneading water in laboratory: 22%
- Mass density: 1,6-1,9 g/cm³
- Hardened product: 1.5-1,9 g/cm³
- Retraction: ≤ 3 mm/m
- Compression resistance: ≥ 15 Mpa
- Bending resistance: $\geq 2,5$ Mpa
- Capillarity: < 0.9 g/Dm 3 min^{1/2}

*** All the information described has been obtained with standard essays and it can oscillate depending on the workplace conditions.*

Enforcements

- Colored deformable mortar for refill in joints from 0 to 30 mm in any kind of ceramic pavement, ceramic coating or **Revistamp E**.
- Indoors and outdoors.
- Radiant heating floors.
- Rejoint of all kind of ceramic tiles.

Enforcement tips

- Application temperatures from 5°C to 30°C.
- The water percentage can oscillate depending on the used mixer.
- Kneading will be equal to a glue mortar consistency.
- Respect always the same water proportion, water excess will hinder the performance, as well as the cleaning and final finish.
- Do not apply as a grout.
- Avoid application with direct insolation, strong wind, rain risk or frost or thaw...
- Respect always the perimeter joint, expansion joint and division joint.

Execution conditions

- Joints between flagstones have to be clean, dry and without dust.
- Grouting should be carried out at least 24 - 48 hours after fixing the ceramic tiles.
- On applications over porous or absorbent surfaces, perform a treatment to the flagstones with **Protector Pavistamp**, before proceeding with the rejoin in order to avoid the pieces to get stained.
- Fit to be used with refillable pistol.
- Outdoors do not apply with direct insolation or strong wind

Pavicolor Flex

Colored deformable mortar for joints (0 to 30mm)

Usage way

Kneading water in paste:

*5 kg bag: $\pm 1,1$ water liters.

*25 kg sack: $\pm 5,5$ water liters.

Kneading water as grout:

*5 kg bag: $\pm 1,6$ water liters.

* 25 kg sack: ± 6 water liters. Knead manually or with electric whisk until obtaining a homogeneous mass and without lumps.

Let it rest during 2 minutes.

Refill the joints with an adequate trowel making pressure to the mass between flagstones. Fit to be used with refillable pistol.

Clean with a humid sponge and rinse with clean water until obtaining the final finish.

Associated products

- Pavicolor thin joint
- Pavicolor Ring joint
- Pavicolor HD
- Pavicolor PLUS
- Pavicolor ECO
- Revistamp-E



Packing

20 kg box (4 bags with 5 kg)

18 boxes pallet (360 kg)

* 25 kg. Packages please consult.

Color

Color chart

Consumption

(Example)

Joint wide 10 mm

Joint depth 5 mm

Flagstones 30x30 cm. approx. 0,5 kg/m²

Flagstones 15x15 cm. approx. 1 kg/m²

Flagstones 10x10 cm. approx. 1,5 kg/m²

Preservation

**In 25 kg sack: 1 year

**In 5 kg bag: 2 years

From the date of manufacture, in sealed original packaging and protected from the weather.

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Pavicolor HD

Polyvalent mortar for joints refill (0 to 25mm)

Special cements, recycled arid, special additives and mineral pigments.



Product

- Does not contain any biocides
- Anti-mould
- Does not stain
- Resists efflorescence
- Excellent adhesion
- Low water absorption

Observations

- Fungicide properties
- Resists bacteriological attacks
- Waterproof
- Does not get stained

Characteristics

- Rest time after the kneading: 2 minutes
- Cleaning maximum time: 30-60 minutes
- Mass life: 60 minutes
- Dry touch: 1- 2 hours
- Operating disposal: 3-4 days
- Operating disposal in swimming pools: > 5 days
- Total setting: > 7 days

** These times are contemplated with 20°C and can considerably oscillate depending on the ambient temperature.*

Performances

- Dust density: 830 kg/m³
- Kneading water in laboratory: 30%
- Mass density: 1.200 kg/m³
- Water absorption: < 0,1 kg (m² min 0,5)
- Retraction: 0,01 mm/m (UNE 83831 EX)
- Compression resistance: ≥ 21 Mpa
- Bending resistance: ≥ 5 Mpa
- Adherence: 1 N/mm²
- Adherence after water immersion: 20 days to 22 °C: 1,2 N/mm²
- Adherence after heat essay: 14 days/70 °C: >0,5 N/mm²
- Compression after frost-thaw cycles: >5 Mpa
- Bending after frost-thaw cycles: >5 Mpa

*** All the information described has been obtained with standard essays and it can oscillate depending on the workplace conditions.*

Enforcements

- Polyvalent mortar for joints between flagstones from 0 to 25 mm refill, in any kind of pavement, ceramic coating or stamped **Revistamp E**.
- All kind of ceramic flagstones rejoin.
- Indoors and outdoors
- Heating floor.

Enforcement tips

- Application temperatures from 5°C to 30°C.
- The water percentage can oscillate depending on the used mixer.
- Kneading will be equal to a glue mortar consistency.
- Respect always the same water proportion, water excess will hinder the performance, as well as the cleaning and final finish.
- Avoid application in rainy or very wet weather, with frost risk or with direct insolation
- Respect always the perimeter joint, expansion joint and division joint.

Execution conditions

- Joints between flagstones have to be clean, dry and without dust.
- A water excess will hinder the mortar final performances.
- The rejoin has to be made after 24–48 hours from the ceramic fixing.
- Apply in small surfaces in order to be able to clean progressively.
- On applications over porous or absorbent surfaces, perform a treatment to the flagstones with **Protector Pavistamp**, before proceeding with the rejoin in order to avoid the pieces to get stained.
- Fit to be used with refillable pistol.
- Outdoors do not apply with direct insolation or strong wind.

Pavicolor HD

Polyvalent mortar for joints refill
(0 to 25mm)

Usage way

Kneading water in paste:

5 Kg sack: $\pm 1,5$ water liters.

25 Kg sack: $\pm 7,5$ water liters.

Kneading water as grout:

5 Kg sack: ± 2 water liters.

25 kg sack: ± 8 litres of water, manually or with an electric mixer until a homogeneous, lump-free dough is obtained.

Leave to stand for 2 minutes.

Refill the joints between flagstones, during the hardening start and without surface brightness, clean with a sponge.

Once the product is hardened, clean with clean water or a wet cloth.

Associated products

- Pavicolor-plus
- Revistamp-E
- Pavicolor-eco

Product	Clasificación
Chlorine 15 g/m3 (10 times super chlorination treatment) 30 days continuous immersion	3
Chlorine 3 g/m3 (5 times super chlorination treatment) 30 days continuous immersion	3
Hydrochloric acid 16,5% 10 days continuous immersion	3
Hydrochloric acid 15% 10 days continuous immersion	3
Saturated sodic chloride 10 days continuous immersion	3
Caustic soda 15% 10 days continuous immersion	3
Food agents (contact time 30 minutes)	
Vinegar	2
Citrus	3
Wine	3
Beer	3
Butter	3
Coffee	3
Yogurt	3



Packing

20 kg box (4 bags with 5 kg)

18 boxes pallet (360 kg)

*25 kg package please consult.

Color

Color chart

Consumption

(Example)

Joint wide 10 mm

Joint depth 5 mm

Flagstones 30x30 cm. Approx. 0,5 kg/m2

Flagstones 15x15 cm. Approx. 1,0 kg/m2

Flagstones 10x10 cm. Approx. 1,5 kg/m2

Preservation

25 kg sacks: 1 year

5 kg sacks: 2 years

From the fabrication date, in the closed original package and sheltered from outdoors.

! IMPORTANT

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Pavicolor Wide Joint

Colored mortar for wide joint (3 to 15 mm)

Cement, selected arid, synthetic resins, organic and inorganic additive and mineral pigments.



Product

- Excellent workability
- Crack-free
- Water resistant
- Mixing between colours is allowed

Observations

- Controlled retraction and fungicide action.
- For less than 3 mm. joints use **Pavicolor Fine Joint**.
- On deformable supports, use **Pavicolor Plus**.
- On facades use **Pavicolor Flex**.

Characteristics

- Rest time after the kneading: 2 minutes
- Cleaning maximum time: 30-60 minutes
- Mass life: 60 minutes
- Operating disposal time: 3-4 días

** These times can considerably oscillate depending on the ambient temperature.*

Performances

- Bulk density in powder form: 1.1- 1.4 g/cm³
- Laboratory mixing water: 20%.
- Powder bulk density: 900-1100 kg/m³
- Bulk density: 1.6 g/m³
- Hardened product: 1700-1900 kg/mm³
- Compressive strength: ≥15 Mpa
- Flexural strength: ≥2.5 Mpa
- Lower Capillarity: 0.5g/dm³ -min1/2

*** All the above information has been obtained from standard tests and may vary depending on site conditions.*

Enforcements

- Colored mortar for joint refill between flagstones from 3 to 15 mm, in any kind of ceramic pavement, ceramic coating or **Revistamp E**.
- Mortar form application in paste shape.
- Indoor and outdoor.
- Radiant heating floors.
- In joints superiors to 15mm, the paste has to be more consistent.
- Rejoint of all kind of ceramic tiles.

Enforcement tips

- Application temperatures from 5°C to 30°C
- Kneading will be equal to a glue mortar consistency.
- The water percentage can oscillate depending on the used mixer.
- Respect always the same water proportion, water excess will hinder the performance, as well as the cleaning and final finish.
- Do not apply as a grout.
- Avoid application with direct insolation, strong wind, rain risk or frost or thaw...
- Respect always the perimeter joint, expansion joint and division joint.

Execution conditions

- Joints between flagstones have to be clean, dry and without dust.
- The rejoin has to be made after 24-48 hours from the ceramic fixing.
- On applications over porous or absorbent surfaces, perform a treatment to the flagstones with **Protector Pavistamp**, before proceeding with the rejoin in order to avoid the pieces to get stained.

Pavicolor Wide Joint

Colored mortar for wide joint (3 to 15 mm)

Usage way

Kneading:

5 kg bag: 1-1.5 water liters

25 Kg sack: 5-6 water liters

Manually or with electric whisk until obtaining an homogeneous mass without lumps. Let it rest for 2 minutes.

Refill the joints with an adequate trowel making pressure to the mass between flagstones. Fit to be used with refillable pistol.

Clean with a humid sponge and rinse with clean water until obtaining the final finish (cleaning has to be performed with the harden product and depending on the ambient temperature).

Associated products

- Pavicolor-flex
- Pavicolor junta fina
- Pavicolor-HD
- Pavicolor-PLUS
- Pavicolor-ECO
- Revistamp-E



Packing

5kg bag (in 20 kg cartons)

Pallet of 18 boxes (360 kg)

* 25 kg. Packages please consult

Color

Color chart

Consumption

(Example)

Joint wide 10 mm.

Joint depth 5 mm.

Flagstones 30x30 cm. Approx. 0,5 kg/m²

Flagstones 15x15 cm. Approx. 1,0 kg/m²

Flagstones 10x10 cm. Approx. 1,5 kg/m²

Preservation

25 kg sacks: 1 year.

5 kg bags: 2 years.

From the fabrication date, in the closed original package and sheltered from outdoors.

⚠ IMPORTANT

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Pavicolor Fine Joint

Colored mortar for thin joint (0 to 3 mm)

Cement, selected arid, synthetic resins, organic and inorganic additive and mineral pigments.



Product

- Excellent workability
- Crack free
- Water resistant
- Mixing between colours is allowed

Observations

- Outdoors use Pavicolor Flex.
- For joints with more than 3 mm use **Pavicolor Wide Joint**.
- For **Revistamp E** joints use **Pavicolor Wide Joint**.

Characteristics

- Rest time after the kneading: 2 minutes
- Cleaning maximum time: 30-60 minutes
- Mass life: 60 minutes
- Operating disposal: 3-4 days

** These times can considerably oscillate depending on the ambient temperature.*

Performances

- Apparent dust density: 900-1.100 kg/m³
- Kneading water in laboratory: 30%
- Mass density: 1.6 g/m³
- Hardened product: 1.700-1.900 kg/mm³
- Compression resistance: ≥ 15 Mpa
- Bending resistance: $\geq 2,5$ Mpa
- Capillarity: 2 g/dm² · min^{1/2}

*** All the information described has been obtained with standard essays and it can oscillate depending on the workplace conditions.*

Enforcements

- Colored mortar in thin layer for refill of joints from 0 to 3 mm, wide between ceramic pieces and nay kind of pavement or coating.
- All kind of ceramic flagstones rejoin.
- Indoor and outdoor.

Enforcement tips

- Application temperatures 5°C to 30°C.
- The percentage of water may vary depending on the mixer used.
- In joints of less than 1.5 mm apply as a grout.
- Always respect the same proportion of water, excess water will make cleaning difficult, as well as the final finish.
- Avoid application in direct sunlight, strong wind, risk of rain, freezing or thawing...
- Do not add any additives to the product.
- Always respect the perimeter, expansion and fractionation joints.

Execution conditions

- Joints between flagstones have to be clean, dry and without dust.
- The rejoin has to be made after 24-48 hours from the ceramic fixing.
- On applications over porous or absorbent surfaces, perform a treatment to the flagstones with **Protector Pavistamp**, before proceeding with the rejoin in order to avoid the pieces to get stained.
- Fit to be used with refillable pistol.
- Outdoors do not apply with direct insolation or strong wind.

Pavicolor Fine Joint

Colored mortar for thin joint
(0 to 3 mm)

Usage way

Kneading water in paste:

5 Kg bag: \pm 1,5 water liters.

25 Kg sack: \pm 7,5 water liters.

Kneading water as grout:

5 Kg bag: \pm 2 water liters.

25 kg bag: \pm 8 litres of water, knead manually or with an electric mixer until a homogeneous, lump-free dough is obtained. Leave to rest for 2 minutes.

Refill the joints between flagstones. Wait 30-60 minutes to eliminate the product remains.

Clean with a humid sponge and rinse with clean water until obtaining the final finish.

Associated products

- Pavicolor flex
- Pavicolor wide joint
- Pavicolor-HD
- Pavicolor-PLUS
- Pavicolor-ECO
- Revistamp-E



Packing

5kg Bag (in 20kg boxes)

18 boxes pallet (360 kg)

* 25 kg. Packages please consult

Color

Color chart

Consumption

(Example)

Joint wide 10 mm.

Joint depth 5 mm.

Flagstones 30x30 cm. Approx. 0,5 kg/m²

Flagstones 15x15 cm. Approx. 1,0 kg/m²

Flagstones 10x10 cm. Approx. 1,5 kg/m²

Conservación

25 kg sacks: 1 year.

5 kg bags: 2 years.

From the fabrication date, in the closed original package and sheltered from outdoors.

! IMPORTANT

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Pavicolor Plus

Universal mortar for joints refill (0 to 25 mm)

Special cements recycled arid, special additives and mineral pigments.



Product

- Does not contain any biocides
- Deformable
- Resists efflorescence
- Excellent adhesion

Observations

- Fungicide properties.
- Resists bacteriological attacks.
- Waterproof.

Characteristics

- Rest time after the kneading: 2 minutes
- Cleaning maximum time: 30-60 minutes
- Mass life: 60 minutes
- Dry touch: 1- 2 hours
- Operating disposal: 3-4 days
- Total setting: > 7 days

**These results are contemplated at 20°C and may vary considerably depending on the ambient temperature.*

Performances

- Dust density: 940 kg/m³
- Kneading water in laboratory: 30%
- Mass density: 1100 kg/m³
- Water absorption: <0,1 kg (m² min 0,5)
- Retraction: 0,01 mm/m (UNE 83831 EX)
- Compression resistance: ≥21 Mpa
- Bending resistance: ≥5 Mpa

*** All the information described has been obtained with standard essays and it can oscillate depending on the workplace conditions.*

Enforcements

- Polyvalent mortar for joints between flagstones from 0 to 25 mm refill, in any kind of pavement, ceramic coating or stamped

Revistamp E.

- All kind of ceramic flagstones rejoin.
- Indoors and outdoors
- Heating floor.

Enforcement tips

- Application temperatures from 5°C to 30°C.
- The water percentage can oscillate depending on the used mixer.
- Kneading will be equal to a glue mortar consistency.
- Respect always the same water proportion, water excess will hinder the performance, as well as the cleaning and final finish.
- Avoid application in rainy or very wet weather, with frost risk or with direct insolation.
- Respect always the perimeter joint, expansion joint and division joint.

Execution conditions

- Joints between flagstones have to be clean, dry and without dust.
- A water excess will hinder the mortar final performances.
- The rejoin has to be made after 24-48 hours from the ceramic fixing.
- Apply in small surfaces in order to be able to clean progressively.
- On applications over porous or absorbent surfaces, perform a treatment to the flagstones with **Protector Pavistamp** before proceeding with the rejoin in order to avoid the pieces to get stained.
- Fit to be used with refillable pistol.
- Outdoors do not apply with direct insolation or strong wind.

Pavicolor Plus

Universal mortar for joints refill
(0 to 25 mm)

Usage way

Kneading water in paste:

5 Kg bag: $\pm 1,5$ water liters.

25 Kg sack: $\pm 7,5$ water liters.

Kneading water as a grout:

5 Kg bag: ± 2 water liters.

25 Kg sack: ± 8 water liters, knead manually or with electric whisk until obtaining a homogeneous mass and without lumps.

Let it rest during 2 minutes.

Refill the joints between flagstones, during the hardening start and without surface brightness, clean with a sponge.

Once the product is hardened, clean with clean water or a wet cloth.

Associated products

- Pavicolor-HD
- Pavicolor-ECO
- Revistamp-E



Packing

20 kg box (4 bags with 5 kg)

18 boxes pallet (360 kg)

* 25 kg. Packages please consult.

Color

Color chart

Consumption

(Example)

Joint wide 10 mm

Joint depth 5 mm

Flagstones 30x30 cm. approx. 0,5 kg/m²

Flagstones 15x15 cm. approx. 1 kg/m²

Flagstones 10x10 cm. approx. 1,5 kg/m²

Preservation

25 kg sacks: 1 year

5 kg bags: 2 years

From the fabrication date, in the closed original package and sheltered from outdoors.

! IMPORTANT

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Coatings

Facade Decoration

Single-coat mortars, microcements and single-coat mortars perfected to achieve different types of stamped-textured finishes with high decorative features, protection of walls and a wide range of colors. These products are an alternative to the traditional system of plastering and painting, providing an aesthetic and characteristic texture.

They are composed of a hydraulic conglomerate, aggregates of selected granulometry and specific additives. **They are ready to be used by hand or sprayed by machine and are very easy to apply.** They are optimal for their low recycling cost and meet the requirements of today's energy-saving and environmentally friendly construction.

Its mixture is homogeneous, has a low tendency to segregation, high adherence, greater resistance to sagging, higher performance, long working time and good water retention capacity.

The coatings and products with the Exterior Thermal Insulation System (SATE) with extruded polystyrene (XPS-EPS) are insulating panels that will be coated with mineral or acrylic finishes to provide a constructive solution for facades in new construction and other energy rehabilitation works.

Natural cork

Natural cork elastic coating

Natural cork mix based on acrylic special and sparkling resins.



Product

- For thermal isolation
- Elastic coating
- Good adherence
- Excellent resistance
- Waterproof

Characteristics

- Excellent behavior over habitual construction materials, as cement, galvanized steel, glass ...
- Noise and vibrations cushioning.
- Good acoustic absorption.
- Easy application.
- Good cover power.
- Naturel thermic isolation in cold and also in hot times.

Composition

- Fixed vehicle: selected copolymers acrylic.
- Pigments: titanium dioxide and organic and inorganic pigments.
- Solvent: water
- Density: 0.90 ± 0.02 KG/LTR.
- V. Solids: $58 \pm 2\%$

Recommended uses

- Due to acoustic cushioning and soundproofing for the thermal isolation, it is ideal for noise and vibrations cushioning
- It can be used in waterproofing in horizontal and vertical facings.
- If necessary, before applying **Natural cork** it is recommended an elastic aliphatic polyurethane coating in order to guarantee the waterproofing.

- Protects the roofs from external weather attacks against oxidation, impact noise from rain, wind and hail, as well as changes in temperature.
- By establishing a thermal barrier, it reduces condensation on rooftops.
- Its application on facades, terraces, protects against humidity, temperature changes, and covers the micro cracks

Recommendations

- Ready to use.
- Shake well before using it.
- Application: in 2 coats.
- Opening time: ± 20 minutes.
- Thickness: 1 mm (1 coat).
- Setting start: 2 hours (20°C).
- Dilution: 5-10% with water.
- Application temperature: 5-30°C.
- Application tools: Aero graphic projection equipment, brush, roller, etc.
- Do not apply with direct insolation, wind, rain risk or frost.

Lime mortars

Revex-cal

Revex-lime is the new brand of 100% lime mortars, an essential brand for rehabilitation works, sustainable construction, eco-construction and new construction.

Among the benefits of using lime-based mortars, we highlight their wide range of strengths, ideal for consolidating bricks or stones, and withstand almost any climate. It produces mortars that are more plastic, malleable, and more durable in exteriors for reliefs and ornaments.

At the same time, their porosity makes them permeable to the drying and breathing needs of buildings, thanks to their ability to allow vapor and moisture to escape to the exterior. In addition, the intrinsic properties of lime make them a "healing" product for fungi and bacteria that plague old, damp buildings. Finally, the ability to fortify itself with the passage of time makes it one of the noblest materials for the recovery of old buildings, which we would consider that these materials are within the sustainable construction helping the environment to be more noble every day.

NHL Lime in pasta

Aerial lime in pasta



Description

Lime mortar in paste for renderings and rejoinings at rehabilitation and restoration Works in historical buildings in which identical to originals mortars with characteristics and old patinas are required. Manufactured with pure lime with a high calcium content, hydrated with paste and with ageing with a superior to one-year rest, siliceous sand.

Types

- **Revex cal fine m12** as base layer, and **Revex cal fine G5** as a finish layer.

Enforcements

- Emblematic and old building rehabilitation and restoration indoors and outdoors. It can be used perfectly on new construction. Enable finishes and "extra fines" textures.

Properties

This mortar has qualities that cannot be obtained in a natural manner with cements or with artificial limes. Only the natural pure lime allows the gaseous changes between the building interior and exterior, as well as offers the best plasticity and workability due to:

- The hexagonal form of the hydrated lime glasses provides a higher plasticity.
- The hydrated lime high fineness (size around 1 micron), as well as the content of fine sand facilitates the workability.
- The bigger specific lime surface brings more workability and plasticity as well as the smaller particle size, a bigger sand covering is obtained.
- It is more compatible with the building methods and old materials from the chemical, structural and mechanical points of view.
- Capacity of keeping the original aspect and firmness bringing bigger durability.
- Excellent adherence to the support due to lime fineness and to the water retention that keeps during more time its pH basic (>12).
- Better watertightness in front of chemical attacks (vibrations, wind frost-thaw cycles) and chemical (rain, acid salts, etc...)
- Great elasticity that facilitates the adaptation of the support deformations without provoking cracking.

- Record of low volume variables humidity.
- Contribute to good aesthetical and homogeneous, as well as good thermal and acoustic insulation.
- Bigger structural stability, for the cracks auto seal: the mortar absorbs water, dissolving the hydrated lime that penetrates in the gaps and cracks where it gets re-carbonated to seal them (related with dissolution cycles/ re-precipitation of the calcite)
- Lower expansion, weak retraction and lower air content.
- Bigger flexibility under determined mechanical conditions.
- Bigger durability/ It does not produce efflorescence (which are manifested with white stains, produced by soluble alkaline salts- Sodium Sulfate and above all Potassium), due to the lime that contains that has been manufactured with raw materials with high quality and very pure, with a content in carbonated calcium superior to 98% and the sodium and potassium contents do not exceed 0,01%, being the salts quantity much lower than the cement one avoiding important damages in the system set stone/mortar originated by cycles of crystallization and/or hydration.
- Bigger breathability, due to the action of re-carbonization (lime mortar setting) that creates in the interior of the mass some channels called capillary that facilitates the breathability. The humidity in a water steam form is evacuated towards the exterior using, capillary uses, letting the walls "breath".

NHL Lime in Pasta

Aerial lime in pasta

Workplace

1. Preparation of the support

- Clean the support eliminating any dust remains, liquids, spellings, etc... Also, eventual efflorescence wastes and any other substance that can damage a good adherence to the support have to be eliminated.
- Secure the humidity by capillarity or filtrations absence being in this case advisable the previous application of one layer of **Revex cal hidro**.
- Saturate the support with low-pressure water with the objective of impeding that the support absorbs water to the mixture. It is advisable to perform this operation some hours before the mortar application. On the event, that the support cannot be saturated it is advisable at least to soak lightly to permit that the mortar grabs. An insufficient saturation can bring adherence losses and cracks appearance in the mortar. It is advisable to perform this operation some hours before the mortar application.

2. Kneading

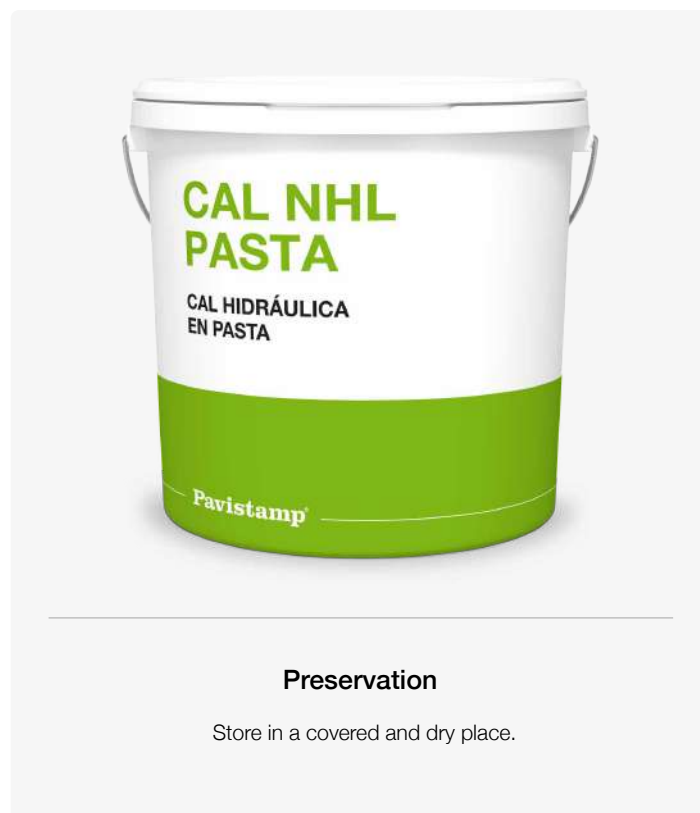
- The mortar is served in buckets ready to use, although is possible that due to the repos time since its fabrication, the mortar is settled or compacted in the bucket due to the transport so it is advisable to knead with a low revolutions mechanical shaker until homogenize of the product. Do not add water.

3. Execution

- Extend the mortar in a compact, uniform and without irregularities way.
- Do not apply on flat surfaces on which the liquid water remains stuck.
- Use always if possible, plastic or wood trowels, as they facilitate the water retention, as they do not displace the fine particles to the surface.
- Apply as many layers as necessary until obtaining the desired thickness, not exceeding the thickness cm per layer and letting dry the previous, in order to facilitate the carbonation of each layer.
- Before applying the following layer, moisten the previous one.

4. Finish

- Once reached the necessary hardness proceed to the desired finish, scraping, drop, tyrolean, burnished and sponge.
- For other finishes as: Lime painting, Silicate, siloxane, veiling, impregnations, water-repellents, or stucco it will be necessary to wait minimum 20 days after the final mortar layer application.



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NHL Lime Powder

Hydraulic lime in powder



Description

Hydraulic conglomerate obtained for the calcareous clayey cooking without additions and constituted mostly by silicates and calcium aluminates and calcium hydroxide.

Properties

- Its characteristics are result only of an adequate raw material composition. It does not contain additions.
- Hydraulic setting for a chemical reaction of its own component, and it brings excellent resistances in the short time.
- Compatibility with the building methods and old materials from the chemical, structural and mechanical points of view.
- Constancy of low humidity variable conditions volume.
- Lower expansion, weak retraction and bigger flexibility under determined mechanical conditions that facilitate the adaptation to the support deformation without provoking cracking.
- Lower water-tightness in front of chemical attacks (vibrations, wind, frost-thaw cycle) and chemical (rain, salts, acids, etc.).
- Bigger durability/it does not produce efflorescence due to the lime that contains that has been manufactured with high quality raw material without additions.
- Bigger structural activity, for the cracks auto seal: the mortar absorbs water, dissolving the hydrated lime that penetrates in the gaps and cracks where it gets re- carbonated to seal them. This phenomenon is related with dissolution / re-precipitation of the calcite and depends on the lime pureness.
- Capacity of keeping the aspect and firmness original bringing higher durability.
- Excellent adherence to the support due to its fineness and the water retention that maintains during more time its basic pH (> 12).
- Due to its pureness it offers an excellent permeability, allowing the gaseous changing between the interior and exterior of the building and letting the walls "breath".

Uses and enforcement in the construction industry

For mortars

Lime is the essential natural binder in the preparation of masonry mortars; Its use in construction dates back to time immemorial for the construction of foundations, brick and block walls, flattening of interior and exterior walls, masonry work, and construction of floors and ceilings.

Developed countries specify the compulsory use of lime to the mortars in seismic zones by its adherence unique characteristics and diagonal tension resistance.

Until today, it does not exist other material so versatile like the lime in the mortars, as it brings more resistance, better adherence and helps to thermal and impermeability construction, everything with lower costs.

For concrete

The pure nature hydraulic lime has the properties to make concrete more compact, as the lime is very fine, it refills the gaps, it protects the temperature oscillations, avoiding thus the cracking, delays the initial concrete setting and it keeps wet the mixture.

Among other lime properties, one of them is giving homogeneity and resistance to concrete, makes the mixture more fluid, improves the workplace and by its mineral composition protects the concrete.

In concrete prefabricated

In the normal and cellular concrete prefabricated industry, the lime has a double function. One side it acts as a filler, when fine particles are needed, on the other side the pozzolanic reactions give origin to more resistant, waterproof and precise in corner and flanks. The previous is achieved to lower production costs.

For floors stabilization

Nor the great highway projects, neither the more easy sport pavements will last much if they rest over unstable clay soils.

In the asphalyic mixtures

In developed countries frequently the lime is used in the hot mixture asphalt, and it works as an anti-breakdown, filler and modifier agent.

The lime besides reducing the sensibility towards humidity, it also increases the initial hardness, contributing thus to minimize the road marks and reduce the asphalt premature ageing (avoid oxidation). In the United States experiences shows that the pavement use life increases 2 to 6 years in average and in some cases for more than 30 years.

NHL Lime Powder

Hydraulic lime in powder

Technical information

Commercial denomination

NHL Lime Powder (according to UNE EN 459-1:2010)

Aspect

Color dust clear grey russet color

Presentation

20 kg sack – 1050 kg pallet (42 sacks)

Values according norm

UNE EN 459-1:2010

Chemical characteristics

Sulfate SO₃: < **2%** Free lime (OH)₂ ≥ **15%**

Mechanical characteristics

Compression resistance 7 days: ≥ **2MPa**

Compression resistance 28 days: ≥ **5 a ≤ 15 MPa**

Physical characteristics

Fineness:

Retained to 0,09 mm ≤ **15%**

Retained to 0,2 mm ≤ **2%**

Free water

≤ **2%**

Volume stability

0 mm

Mixture test

Penetration: > **10 a < 50 mm**

Air content: ≤ **5 %**

Setting time

Start: > **1 h**

Finish: ≤ **15 h**

Classification marked CE according to norm UNE EN 459-1:2010
(Limes for construction Part 1: Definitions and conformity criteria)

NHL 5



Preservation

Store in a covered and dry place, adopt the same precautions as in the cement.

Precautions

Skin, eyes and respiratory tracks irritating product. It is recommended to use protection measures as gloves, glasses and masks. Keep out of children reach.



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Fatty Stucco

Fat stucco for glossy finish



Characteristics and usage fields

Estuco Graseo, is a ground paste ideal to perform translucent finishes as "cal rasata"; formulated to lime base, colorant earths, organic polymers, resistant alkalis and additives. The product presents an optimal adhesion above all fine support constituted of civil revokes of bastard mortar and or equivalent, bastard mortar revokes and fine troweled sand, prefabricates in cement conglomerates and compact, uniform and smooth surfaces, cardboard panels plaster, etc.

Due to its elevated alkalinity derived by the inorganic coating nature, **Fatty Stucco** is particularly resistant to mold and fungi. Moreover, its formulation, gives the product a high resistance to alkalis and atmospheric agents, as well as the easy applicability and adherence notable over all the surfaces.

Usage norms and support preparation

New revokes

Let it dry during 4 – 6 weeks, in order to neutralize the surface through its natural carbonation. Exactly the same, posterior application also has to be let mature.

New mural surfaces

Clean carefully, removing any dust, dirt or parts that are not well adhered. Check that the wall is perfectly dry and apply, in the case of very absorbent substrates, a coat of lime-based insulating and consolidating primer.

Painting surfaces or partially degrade

Eliminate any painting remain that is not adhered, as well as possible efflorescence. Clean carefully the dust and dirtiness. Control that the wall is perfectly dry and fix the surface lime base.

Technical data

Specific weight:

1.55 Kg/l + 0.10

Value del pH:

13

Dry skin:

69% + 0.10

Dilution

Ready to use

Resistant coefficient to steam water passant

Depending on the finish

Resistant to saponification:

Optimal. Mineral product.

Consumption

Over fine mortar, the consumption approximate is 0.5 kg/m².

Packaging and colors

Fatty Stucco is served in 5kg y 20 kg packages.

Colors according to chart **PAVISTAMP**.

Storage

The product has to be kept in the closed original package, in a temperature from 5 to 30°C, in a dry and ventilated place. Preserve from frosts <5°C it is preserved 1 year in closed package.

Warnings

The PH of **Fatty Stucco** is clearly basic: avoid the eyes contact using the adequate protection. On contact case, clean carefully during at least 15 minutes with water. If the irritation continues, please consult a doctor.

***Uniformity of colors by production is guaranteed.*

Fatty Stucco

Fat stucco for glossy finish

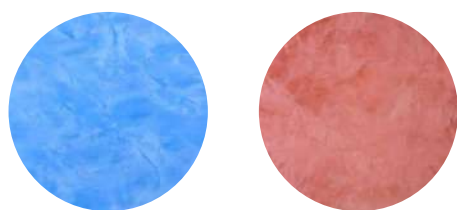
Enforcement

The product is ready to use. The greasy stucco is spread in two or more passes, inserting 24 hours between them, with a stainless-steel trowel, applying in a circular motion.

For a smooth, translucent finish, the second or third pass should be compacted to the corner of the trowel on the still wet surface. It can be applied on any type of support without capillary humidity.

Do not apply greasy stucco on very sunny surfaces, with temperatures below 5°C or above 40°C. In the first 24 hours after application, protect the treated surface from rain for at least 48 hours.

Clean tools with water immediately after use.



Packaging

5kg y 20 kg packages.

Color

Colors according to chart PAVISTAMP.

Consumption

Approximate 0.5 kg/m²

Preservation

The product has to be kept in the closed original package, in a temperature from 5 to 30°C, in a dry and ventilated place. Preserve from frosts <5°C it is preserved 1 year in closed package.



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Paint of Lime

Painting of lime



Characteristics and usage fields

Formulated mural painting based on fat lime, earth colors, micronized calcium carbonated, organic bindings and vegetal additives. The organic bindings presence allows developing an excellent adhesion over all kind of fine mineral supports, even in the plaster in each of its forms: revoke thrown to plaster, plasterboard, prefabricated and chalky stucco, new or tinted.

The breathability of **Lime painting** is optimal, regarding the crystalline product structure, makes it diffusive. Due to its alkalinity derived from the same coating nature, **Lime painting** is particularly resistant to mold and fungi. With these qualities, **Lime painting** joins aesthetic effects and chromatics of absolute reliefs, clear and dark tones are characteristics of the product.

Usage norms and support preparation

New revokes

Let it dry during 4 – 6 weeks, in order to neutralize the surface through its natural carbonation. Exactly the same, posterior application also has to be let mature.

New mural surfaces

Clean carefully, eliminating any dust remain, dirtiness or parts that are not properly adhered. Control that the wall is perfectly dry and ready to receive **Lime painting**.

Painting surfaces or partially degrade

Eliminate any painting remain that is not adhered, as well as the possible efflorescence. Clean carefully, the dust and dirtiness, control that the wall is perfectly dry.

Technical data

Specific weight	1.62 Kg/l + 0.10
Value	13
Dry skin	68% + 0.10

Consumptions

Approximately, for a work finished in two hands and depending of the absorption support, the consumption is 0.4 Kg/m2.

Packing and colors

Lime painting is served in 5 - 20 kg packages.
Colors according to chart **PAVISTAMP**.

Storage

The product has to be kept in the closed original package, in a temperature from 5 to 30°C, in a dry and ventilated place. Preserve from frosts <5°C. It is preserved 1 year in closed package.

Warnings

The pH of **Lime painting** is clearly basic: avoid the eyes contact using the adequate protection. On contact case, clean carefully during at least 15 minutes with water. If the irritation continues, please consult to a doctor.

*** Uniformity of colors by production is guaranteed.*

Paint of Lime

Painting of lime

Enforcement

Lime painting is extended with brush in two crossed passes.

Wait at least 6 – 8 hours between passes.

The first pass is diluted 40% with water and the second 20-30% with water, and the second is diluted to 20 – 30% with water.

The product allows the application over all kind of support without capillarity humidity.

Do not apply **Lime painting** on very sunny surfaces, with temperatures lower than 5°C or superiors to 40°C in the first 24 horas after the application.

Protect the treated surface from the rain at least for 48 hours.

Clean the tools with water immediately after its use.

For indoors and outdoors.



Packing

Packages of 5 - 20 kg.

Color

Pavistamp color chart

Consumption

Approximately, for a finished work in two coats and depending on the absorption of the support, the consumption is 0.4 Kg/m².

Preservation

The product should be stored in the original container, at a temperature between 5 and 30°C, in a dry and ventilated place. Preserve from frost <5°C. It is conserved 1 year in the closed container.



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Painting SI

Silicate paint



Description

Outdoors / indoors use coatings specially formulated to apply over performed supports with lime or cement mineral mortars and consisting in mineral painting based on stabilized potassium silicate dispersion, according to DIN 18 363, paragraph 2.4.1 and reinforced with EPH DRY TECHNOLOGY, that it is a water-repellent compound based on silica particles reacting among them, forming a tridimensional reticle without blocking the porous allowing thus the water steam diffusion and creating a water repellent effect dragging the accumulated dust on the façade provoking an auto cleaning effect.

Properties

- Mineral matt surface with good adherence.
- Anti-mold.
- Breathable to water steam and very permeable to CO₂.
- Does not form skin.
- Reacts in an insoluble way with the support, consolidating it totally through micro-silicateing.
- Reduced tendency to dirtiness and high resistance to the passage of time.
- Fireproof, antistatic, not thermoplastic.
- High resistance to UV rays, to the industrial gases emissions and to the acid rain.
- Waterproof to rainwater, even a few hours after its application.
- Ecologic due to its properties and composition
- Without solvent additions.
- Applicable in all the mineral supports.

Workplace

The support has to be dry, healthy and clean and without any dust remains, liquid, spillings, etc... On old supports, the loose old paintings particles have to be eliminated with mechanical systems or with pressure water.

In addition, efflorescence wastes have to be eventually eliminated and any other substance that can damage a good adherence to the support.

On repaired supports, with texture difference or with capillary fissures, a

Revex lime RS (revoke silicate fine) layer will be applied.

The minimum 10 to 15 days has to be respected (until appearance of a unified tone without water retention stains) before applying the silicate painting over a new natural hydraulic lime finish, depending on the climatic conditions moment.

The surface is painted applying two painting passes.

Technical Information

Commercial denomination: PAINTING SI

Aspect: White or color consistent paste

Presentation: Buckets 5 - 20 kg. approx.

Binding base: Hybrid combination of potassium / acrylate silicate emulsion

Diluting: Sillex first silicate max. 5%

Cleaning: Immediately after its use, with water

Finish: MINERAL MATT

Specific weight: 1.45 gr/m³

Ph: Approx. 11

Organic material content: <5%

Permeabilidad al agua (w): <0.10 [kg/(m²·h^{0,5})]

Colors: Color chart

Approx. Yield oer hand: From 5 to 8 m²/kg
(Consumption indicated is orientate, in any case an exact consumption has to be determined performing samples at the workplace)

Dry touch (20°C HR: 60%): 2 hours

Repainting (20°C HR: 60%): 12 hours

Application temperatures: Between 8 and 35°C

Storage: In a cool place, protected against frost and closed package. Protect with heat and direct sun impact.

Painting SI

Silicate paint

Enforcement

In order to improve the application and work speed in the silicate painting, the painting should be well stirred before using it, in a mechanical way and until its perfect homogenize.

To repair the surface, apply 1 pass as the base of the diluted paint with Primer if and water, in the following proportion: 1 part of Paint if, 1 part of water and 1 part of Primer if allowed to dry for at least 12 hours.

After this time, apply a single pass of the Paint if undiluted, diluted to a maximum of 5% with the primer as a finishing coat.

Do not apply the product on temperature lower than 8°C nor humidity superior to 80%.

Avoid painting over exposed surfaces a strong insolation.

Way of working

It has to be worked on complete panels and from wet to wet, (this point is very important for the paintings of silicate in an intense tone).

It is advisable to work with two people: one of them loads with painting with roller the surface to be painted and the other person before that this loading gets dry (two minute approx..) and combs with another roller avoiding leaving an excessive painting layer.

For a correct application, it is essential to comb the painting very well, distributing perfectly through the surface without leaving a too loaded layer.

Apply the painting from down to up to avoid the spouts.

Enforcement way

Wide brush (similar to those used in the past for whitewashing), short-haired cotton roller or ari-less spray gun.



Packaging

Buckets 5 - 20 kg. approx.

Color

Color chart

Consumption

From 5 to 8 m2/kg

Preservation

In a cool place, protected against frost and closed package.
Protect with heat and direct sun impact.



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Revex-cal Base

Lime mortar for wall sanitation

Pure natural hydraulic lime, components selected organic and inorganic.



Product

- 100% ecological and natural.
- Setting by carbonation.
- Fungicidal and bactericidal properties.
- Low soluble salt content.
- High water vapour permeability.

Observations

- Do not add any additive to the mortar.
- On absorbent or porous surfaces and in a strong heat season moisten before applying the product.
- Treat the singular zones (fissures...) with glass fiber mesh.
- The dry time will oscillate depending on the existing temperature and humidity.

Characteristics

- Minimum finished thickness: 10 mm.

Performances

- Dust density: $1550 \pm 25 \text{ kg/m}^3$
- Kneading water (in laboratory): 17 %
- Density in paste: $1825 \pm 25 \text{ kg/m}^3$
- Natural radioactive: $I=0,0214\text{mSv/a}$ Massive use $<0,5$
- Reaction against fire: Euroclass A1

** These results have been obtained in standard conditions and they can oscillate depending on the workplace conditions.*

Enforcements

- Sanitation mortar and coating based on pure natural hydraulic lime and selected arid.
- Indicated for new construction, rehabilitation and old restorations in which mortars 100% lime or similar to the original.
- Indoors and outdoors.

Supports

- Refurbishment, ashlar grouting, natural stone, brick enclosure, concrete block without waterproofing, concrete...

Recommendations

- Application temperatures 5°C to 35°C .
- Respect always the same water percentage during the mixture.
- Do not add water to the product after the kneading.
- Respect the existing base expansion joints, mortar, ceramic.
- Do not apply with strong wind.

Revex-cal Base

Lime mortar for wall sanitation

Execution conditions

- Clean the support eliminating any dust remains, liquids, spillings, etc. In addition, eventual efflorescence wastes have to be eliminated and any other substance that can damage a good adherence to the support.
- Saturate the support with water at low pressure, to impede that this support absorbs the mixture water.
- An insufficient saturation could imply adherence losses and the cracks appearance in the mortar.
- It is advisable to apply a first layer of semifluid consistency.
- Avoid the mortar application with low temperatures, rain risk or frost-thaw possibility.
- Avoid application with direct insolation.

Usage way

Mix the contents of the bag (30kg) with 5 - 5.5 litres of clean water until a homogeneous, lump-free mass is formed.

Machine spraying: mix 17 - 18% of clean water.

Apply a first pass with a semi-fluid consistency, applying in successive coats until the desired final thickness is achieved. Each coat should be applied before the previous one has hardened.

Once the necessary hardening has been achieved, trowel to a rustic finish, using wooden or plastic trowels. Wet the applied mortar with water spray during the first 24 hours after application.

**The times may vary considerably depending on the ambient temperature.*



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Packaging

30 kg sack
1260 kg pallet (42 sacks)

Color

White
(Others à la carte)

Consumption

1.5-2.0 kg/m² and mm thickness

**These consumptions can oscillate depending on the workplaces conditions.*

Preservation

It contents hydraulic lime (setting with humidity).

References

On 100% lime mortars.
It can be finished with **Revex-Cal fine, Revex-Cal R-300** and lime paintings.

Revex-cal Projectable Base

Lime mortar for sanitation

Pure natural hydraulic lime (NHL), components selected organic and inorganic.



Product

- Ecologic and natural 100%.
- Setting by carbonation.
- Properties fungicides and bactericidal.
- Reduced content in soluble salts.
- Elevated permeability to water steam.

Observations

- Do not add any additive to the mortar.
- On absorbent or porous surfaces and in a strong heat season moisten before applying the product.
- Treat the singular zones (fissures...) with glass fiber mesh.
- The dry time will oscillate depending on the existing temperature and humidity.

Characteristics

- Minimum thickness per layer: 15 mm
- Minimum finished thickness: 10 mm

Performances

- Dust density: 1550 ± 25 kg/m³
- Kneading water (in laboratory): 17 %
- Density in paste: 1825 ± 25 kg/m³
- Natural radioactive: I=0,0214mSv/a Massive use <0,5
- Reaction against fire: Euroclass A1

** These results have been obtained in standard conditions and they can oscillate depending on the workplace conditions.*

Enforcements

- Sanitation mortar and coating based on pure natural hydraulic lime and selected arid.
- Indicated for new construction, rehabilitation and old restorations in which mortars 100% lime or similar to the original.
- Indoors and outdoors.

Supports

- Sanitation, ashlar grouts, natural stone, brick enclosure, concrete block without water repellent, concrete...

Recommendations

- Application temperatures 5°C to 35°C.
- Respect always the same water percentage during the mixture.
- Do not add water to the product after the kneading.
- Respect the existing base expansion joints, mortar, ceramic...
- Do not apply with frost risk, with direct insolation, strong wind or with rain.

Revex-cal Projectable Base

Lime mortar for sanitation

Execution conditions

- Clean the support eliminating any dust remains, liquids, spillings, etc. In addition, eventual efflorescence wastes have to be eliminated and any other substance that can damage a good adherence to the support.
- Saturate the support with water at low pressure, to impede that this support absorbs the mixture water.
- An insufficient saturation could imply adherence losses and the cracks appearance in the mortar.
- It is advisable to apply a first layer of semifluid consistency.
- Avoid the mortar application with low temperatures, rain risk or frost-thaw possibility.
- Avoid application with direct insolation.

Usage way

Manual kneading:

Mix sack (30 kg.) with 5 – 5,5 clear water liters until obtaining a homogenous mass.

Projected with machine:

Water percentage: 17 - 18%.

Apply a first coat with a semifluid consistency, applying in successive coats with 10 mm thickness until obtaining the desired final thickness. Each coat will be applied before that the previous one is applied.

Once the necessary hardening is reached, trowel until obtaining a rustic finish, with a wood or plastic trowel.

Moisten the applied mortar with pulverized water during the first 24 hours to execution.

** The times can considerably oscillate depending on the ambient temperature.*



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Packaging

30 kg sack
1260 kg pallet (42 sacks)

Color

White
(Others à la carte)

Consumption

1.5-2.0 kg/m² and mm thickness.

*These consumptions may vary depending on the substrate and number of passes.

Preservation

It contents hydraulic lime (setting with humidity).

References

On 100% lime mortars. It can be finished with **Revex-Cal fine, Revex-Cal R-300 and lime paintings.**

Revex-cal E

Thixotropic lime mortar

Lime mixture with thixotropic properties, natural hydraulic lime, hydrate lime with high calcium content, organic and inorganics additives.



Product

- Ecologic and natural 100%.
- Setting by chemical reaction of its components.
- For decorates and reliefs.
- Very light.
- Good adherence and thixotropic.

Observations

- Do not add any additive to the mortar.
- On absorbent or porous surfaces and in a strong heat season moisten before applying the product.
- Treat the singular zones (fissures...) with glass fiber mesh.
- The dry time will oscillate depending on the existing temperature and humidity.

Characteristics

- Minimum thickness per layer: 10 mm
- Minimum thickness finish: 50 mm

Performances

- Dust density: 1025 kg/m³
- Kneading water (in laboratory): 29%
- Density in mass: 1500 kg/m³
- Flexural strength: ≥ 2.5 N/mm²
- Compression: ≥ 5 N/mm²
- Reaction against fire: Euroclass A1

** These results have been obtained in standard conditions and they can oscillate depending on the workplace conditions.*

Enforcements

- Thixotropic lime mortar for natural materials reproduction and recuperation of deteriorated volumes in historical patrimony works.
- This mortar has qualities that cannot be obtained with cements or artificial limes.
- Indoors and outdoors.

Supports

- Over brick enclosure, rough rendering, concrete block without water-repellent.

Enforcement tips

- Application temperatures 5°C to 35°C.
- Respect always the same water percentage during the mixture.
- Respect the existing base expansion joints, mortar, ceramic...
- Do not apply with frost risk, with direct insolation, strong wind...
- Protect the mortar with direct sun and from the wind during its application and the following 12 hours.

Revex-cal E

Thixotropic lime mortar

Execution conditions

- Clean the support eliminating any dust remains, liquids, spillings, etc. In addition, eventual efflorescence wastes have to be eliminated and any other substance that can damage a good adherence to the support.
- Saturate the support with water at low pressure, to impede that this support absorbs the mixture water.
- An insufficient saturation could imply adherence losses and the cracks appearance in the mortar.
- Hydrates carbonation in contact with the atmospheric carbonate dioxide increases the resistance and the durability.
- Over metallic mesh support, it is recommended a previous layer application.
- Its mechanical resistance will be increasing progressively during the whole life.

Usage way

Manual kneading:

Mix a (25 kg) sack with 7 – 8 clean water liters with a mechanic whisk with low revolutions, until obtaining a homogeneous mass and without lumps.

Projected with machine:

Knead between 29 - 30% clean wat

- Apply the mortar until obtaining the desired thickness, minimum 10 mm. Even and smooth in order to obtain a good flatness.

- Once the necessary hardening is obtained, effect the desired finish sculpture, molding, textured...

**The times can considerably oscillate depending on the ambient temperature.*



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Packaging

25 kg sack
1200 kg pallet (48 sacks)

Color

60 color chart

Consumption

12 – 13 kg/m² and mm thickness

**These consumptions can oscillate depending on the support and the coats number.*

Preservation

It contents hydraulic lime (setting with humidity).

Revex-cal fine

Lime mortar in fine layer 2-3 mm

High calcium hydrated lime, calcium carbonates crystalized and inorganic pigments.



Properties

- Ecologic and natural 100%
- Properties fungicides and bactericidal
- Natural water repellent 100%
- Permeable to water steam and breathable

Observations

- Do not add any additive to the mortar.
- On absorbent or porous surfaces and in a strong heat season moisten before applying the product.
- Treat the singular zones (fissures...) with glass fiber mesh.
- Do not apply directly over brick enclosure, concrete block ...
- The dry time will oscillate depending on the existing temperature and humidity.

Characteristics

- Mixture life: 2 - 3 hours
- Open time: 2 hours
- Minimum thickness finish: 2 - 3 mm
- Touch dry: 4- 6 hours

**These times can considerably oscillate depending on the ambient temperature.*

Performances

- Dust density: 1044 gr.
- Kneading water (in laboratory): 32%
- Density in mass: 1658 gr.
- Behavior against fire: Euroclass A1

**These results have been obtained in standard conditions and they can oscillate depending on the workplace conditions. .*

Enforcements

- Ecologic mortar, for revoke and termination in thin layer 2 – 3 mm, in which mortar identical to the originals are required, with characteristics and old patinas.
- Indoors and outdoors.
- Excellent fineness and thyrotrophic.

Supports

- Over lime mortar base (other mortar kind, consult).

Recommendations

- Application temperatures 5°C to 35°C
- Respect always the same water percentage during the mixture.
- Do not add water to the product after the kneading.
- Respect the existing base expansion joints, mortar, ceramic...
- Do not apply with rain risk, frost risk, with direct insolation, strong wind...

Revex-cal fine

Lime mortar in fine layer 2-3 mm

Execution conditions

- Clean the support eliminating any dust remains, liquids, spillings, etc. In addition, eventual efflorescence wastes must be eliminated and any other substance that can damage a good adherence to the support.
- The support base will be made of lime mortar and will present a surface with good stable and rough planimetry.
- Avoid applying the mortar at low temperatures, risk of rain or possibility of freeze-thaw.
- Avoid application with direct sunlight.

Usage way

- Mixture ratio: 8-8,5 clean water liters per sack 25kg. approx.
- Mix the product with water until obtaining a homogeneous and ready to use mass.
- Apply a fine layer over the lime mortar support, extending with spatula or steel trowel in a compact way and without irregularities, carefully levelling the surface.
- Once the necessary hardening of the applied layer has been reached (1 - 2 hours), pass with a sponge trowel until the desired finish is achieved. For a fine finish, subsequently pass a steel trowel.

** The times can considerably oscillate depending on the ambient temperature.*

**REVEX-CAL
FINO**

**MORTERO ECOLÓGICO
PARA REVOCO EN CAPA
FINA 2 - 3 MM**

Pavistamp®

Packing

25 kg sacks - 1200 kg pallet (48 sacks)

Color

White. Others on demand.

Consumption

1.2 - 1,5 kg/m² and mm thickness

* These consumptions can oscillate depending on the support and the coats number

Preservation

It contents hydraulic lime (setting with humidity)

References

On 100% lime mortars and mixed mortars



! IMPORTANT

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Revex-cal G5

Lime mortar for fine finish 3-5 mm

Greasy pure lime in dust, limy sands, microfibers and cellulose, organic and inorganics additives.



Product

- Ecologic and natural 100%.
- Properties fungicides.
- Lower expansion and weak retraction.
- Permeable to water steam and breathable
- Does not produce. efflorescence.

Observations

- Do not add any additive to the mortar.
- On absorbent or porous surfaces and in a strong heat season moisten before applying the product.
- Treat the singular zones (fissures...) with glass fiber mesh.
- Do not apply directly over brick enclosure, concrete block...
- The dry time will oscillate depending on the existing temperature and humidity.

Characteristics

- Mixture life: 2 - 3 hours.
- Opening time: 2 hours.
- Minimum thickness finish: 3 - 5 mm.
- Dry touch: 4- 6 hours.

**These times can considerably oscillate depending on the ambient temperature.*

Performances

- Dust density: 1031 +/- 25 kg/m3
- Kneading water (in laboratory): 29 %
- Density in paste: 1683 +/- 25 kg/m3
- Layer thickness: until 5 mm
- Natural radioactive: I=0,0214 mSv/a Massive use <0,5
- Reaction against fire: Euroclass A1

**These results have been obtained in standard conditions and they can oscillate depending on the workplace conditions.*

Enforcements

- Greasy lime mortar for rejoiners and first rendering layers in rehabilitation works and historical buildings restorations in which mortars identical to the origin are required with characteristics and old patinas.
- Indoors and outdoors.
- Minimum thickness (3-5 mm)

Supports

- Over lime base mortar

Recommendations

- Application temperatures: 25-30°C
- Respect always the same water percentage during the mixture.
- Do not add water to the product after the kneading.
- Respect the existing base expansion joints, mortar, ceramic...
- Do not apply with rain risk, frost risk, with direct insolation, strong wind...

Revex-cal G5

Lime mortar for fine finish 3-5 mm

Execution conditions

- Clean the support eliminating any dust remains, liquids, spillings, etc. In addition, eventual efflorescence wastes have to be eliminated and any other substance that can damage a good adherence to the support.
- The support base will be made of meager mortar and will present a surface with good stable and rough planimetry.
- Avoid the application of the mortar with low temperatures, risk of rain or possibility of freeze-thaw.
- Avoid application in direct sunlight.

Usage way

- Mixture ratio: 7,2-7,5 clean water liters per sack 25kg. approx.
- Mix the product with a mechanic whisk with low revolutions, until obtaining a homogeneous mass. Use always the same water proportion between kneading.
- Apply a fine layer over the meager mortar support, extending the mortar in a uniform compact way, uniform and without irregularities.
- Once the necessary hardening is reached, trowel with a wood or rigid plastic trowel, proceed with the desired finish scraping, trowelled or burnished.



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Packaging

25 kg Sacks - 1200 kg Pallet (48 sacks)

Color

White. Others on demand

Consumption

1 -1,5 kg/m² and mm thickness

Preservation

It contents hydraulic lime (setting with humidity)

References

On lime mortar bases

Revex-cal Hydro NHL

Mortar for wall sanitation

Mortar in hydraulic lime base, hydrate lime, selected arid, inert lightening and mineral additives.



Product

- Ecologic and natural 100%.
- Setting by chemical reaction of its components.
- Elevated breathability to water steam.
- Properties fungicides and bactericidal.
- High water-repellent capacity.

Observations

- Do not add any additive to the mortar.
- On absorbent or porous surfaces and in a strong heat season moisten before applying the product.
- Treat the singular zones (fissures...) with glass fiber mesh.
- The dry time will oscillate depending on the existing temperature and humidity.

Performances

- Apparent dust density: $1158 \pm 25 \text{ kg/m}^3$
- Apparent paste density: $1683 \pm 25 \text{ kg/m}^3$
- Kneading water: 24%
- Minimum thickness: 10 mm
- Coefficient resistance to the water steam diffusion (μ): $\leq 3,5$ (UNE- EN 1015-19).
- Reaction against fire: Euroclass A1

** These results have been obtained in standard conditions and they can oscillate depending on the workplace conditions.*

Enforcements

- Mortar to revoke – porous dehumidifying for wall sanitation attacked by capillary humidity and saltpeter formation.
- Setting by chemical reaction of its own components.
- Mortar especially indicated for inner revokes submitted to strong humidity in underground locals, cellars...
- Indoors and outdoors.

Supports

- Over brick enclosure, rough rendering, concrete block without water-repellent, thermal clay...

Recommendations

- Application temperatures 5°C to 35°C .
- Respect always the same water percentage during the mixture.
- Do not add water to the product after the kneading.
- Respect the existing base expansion joints, mortar, ceramic...
- Do not apply with rain risk, frost risk, with direct insolation, strong wind...

Revex-cal Hydro NHL

Mortar for wall sanitation

Execution conditions

- The support has to be solid and hard, dry and without dust, disaggregating zones, paintings, waxes and oils...
- Clean the support until the complete elimination of the previous or old revoke, in quantity superior until approximately 50 cm above the humidity mark.
- Eliminate any degrading part, as well as the saline incrustations, with a brush and cleaning with water.

Usage way

Manual kneading:

Mix sack (30 kg.) with 7 – 7,5 clear water liters until obtaining a homogenous mass.

Projected with machine:

Water percentage: 24 - 25%.

- Apply the mortar in a compact way, uniform and without irregularities, until obtaining the desired thickness, minimum 10 mm.

- Once the setting is completed and it is dry, coat with lime mortars from the **Revex Cal** finish chart.

**The times can considerably oscillate depending on the ambient temperature.*



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Packaging

30 kg sack
1260 kg pallet (42 sacks)

Color

White
(Other on demand)

Consumption

1.2-1.5 kg/m² and mm thickness

**These consumptions can oscillate depending on the support and the coats number.*

Preservation

It contents hydraulic lime (setting with humidity).

Revex-cal M12

Fine of lime mortar 10 – 12 mm

Greasy lime in pure dust, limy sands, microfibers and cellulose, organic additive and inorganic.



Product

- Ecologic and natural 100%.
- Properties fungicides.
- Lower expansion and weak retraction.
- Permeable to water steam and breathable
- Does not produce efflorescence

Observations

- Do not add any additive to the mortar.
- On absorbent or porous surfaces and in a strong heat season moisten before applying the product.
- Treat the singular zones (fissures...) with glass fiber mesh.
- Do not apply directly over the brick enclosure, concrete block...
- The dry time will oscillate depending on the existing temperature and humidity.

Characteristics

- Mixture life: 2 - 3 hours
- Open time: 2 hours
- Minimum thickness after the finish: 10 mm
- Touch dry: from 4- 6 hours

**These times can considerably oscillate depending on the ambient temperature.*

Performances

- Dust density: 1194 +/- 25 kg/m3
- Kneading water in laboratory: 25%
- Density in paste: 1864 +/- 25 kg/m3
- Layer thickness: until 12 mm
- Natural radioactive: I=0,0214 mSv/a massive use <0,5
- Reaction against fire: Euroclass A1

**These results have been obtained in standard conditions and they can oscillate depending on the workplace conditions.*

Enforcements

- Greasy lime mortar for rejoinings and first renderings layers in rehabilitation works and historical buildings restorations, in which mortar identical to the originals are required, with characteristics and old patinas.
- Indoors and outdoors.
- Minimum thickness (10-12mm).

Supports

- Over lime base mortar (other kind of mortars, consult).

Recommendations

- Application temperatures 5°C to 35°C.
- Respect always the same water percentage during the mixture.
- Do not add water to the product after the kneading.
- Respect the existing base expansion joints, mortar, ceramic...
- Do not apply with rain risk, frost, with direct insolation, strong wind...

Revex-cal M12

Fine of lime mortar 10 – 12 mm

Execution conditions

- Clean the support eliminating any dust remains, liquids, spellings, etc. In addition, eventual efflorescence wastes must be eliminated and any other substance that can damage a good adherence to the support.
- The support base will be made of lean mortar and it will present a surface with good, stable and rough planimetry.
- Avoid mortar application with low temperatures, rain risk or frost-thaw possibility.
- Avoid application with direct insolation.

Usage way

- Mixture ratio: 6 - 7 clean water liters per sack 25kg. approx.
- Mix the product with a mechanic whisk with low revolutions, until obtaining a homogeneous mass. Use always the same water proportion between kneading.
- Apply as many layers as necessary until obtaining the desired thickness, not exceeding one cm thickness per layer and letting it getting dry, to enable this layer carbonation, between layer and layer and moisten the previous one.
- Once the necessary hardness is reached, trowel with rigid plastic or wood trowel, proceed with the desired finished scraping, troweled, burnished and sponge.

**For other finished, like lime painting, silicate, glaze, water- repellents and stucco it is necessary to wait at least 20 days from the final mortar layer application.*

** The times can considerably oscillate depending on the ambient temperature.*



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Packaging

25 kg sack - 1200 kg Pallet (48 sacks)

Color

White (Others on demand)

Consumption

1 - 2 kg/m² and mm thickness

**These consumptions can oscillate depending on the support and coat numbers*

Preservation

It contents hydraulic lime (setting with humidity)

References

Over lime mortar rendering.

Revex-cal R300

Lime mortar for single coating cladding

Natural hydraulic lime (NHL), hydrate lime with calcium high content (CL-90-S), silica sand, crystalized calcite and mineral pigments.



Product

- Ecologic and natural 100%
- Setting by chemical reaction of its components
- Properties fungicides and bactericidal
- Reduced content in soluble salts
- Elevated permeability to water steam

Observations

- Do not add any additive to the mortar.
- On absorbent or porous surfaces and in a strong heat season moisten before applying the product.
- Treat the singular zones (fissures...) with glass fiber mesh.
- The dry time will oscillate depending on the existing temperature and humidity.

Characteristics

- Layer thickness: 10 - 20 mm
- Minimum finish thickness: 10 mm

Performances

- Dust density: 1277 ± 50 kg/m³
- Kneading water: 21%
- Density in mass: 1546 ± 50 kg/m³
- Density of the hardened product: 1463 ± kg/m³
- Thermal conductivity (EN 1745): λ=0.360 W/m • K
- Reaction against fire: Euroclass A1
- Classification: OC-CSII-W2

** These results have been obtained in standard conditions and they can oscillate depending on the workplace conditions.*

Enforcements

- Monolayer lime mortar as revoke for decoration and façades termination.
- Indicated for new construction, rehabilitation in which mortars with traditional characteristics and protection in front of rainwater.
- This mortar has qualities that cannot be obtained with cement or artificial lime mortars.

Supports

- Over brick enclosure, rough rendering, block concrete without water-repellent...

Recommendations

- Application temperatures 5°C to 35°C.
- Respect always the same water percentage during the mixture.
- Do not add water to the product after the kneading.
- Respect the existing base expansion joints, mortar, ceramic...
- Do not apply with rain risk, frost risk, with direct insolation, strong wind...

Revex-cal R300

Lime mortar for single coating cladding

Execution conditions

- Clean the support eliminating any dust remains, liquids, spellings, etc. In addition, eventual efflorescence wastes must be eliminated and any other substance that can damage a good adherence to the support.
- Saturate the support with water at low pressure, to impede that this support absorbs the mixture water.
- An insufficient saturation could imply adherence losses and the cracks appearance in the mortar.
- Hydrates carbonation in contact with the atmospheric carbonate dioxide increases the resistance and the durability.
- Its mechanical resistance will be increasing progressively during the whole life.

Usage way

Manual kneading:

Mix a (30 kg) sack with 6 - 7 liters clean water liters with a mechanic whisk with low revolutions, until obtaining a homogeneous mass and without lumps.

Projected with machine:

Knead between 21 - 23% clean water.

- Apply the mortar in a compact way, uniform and without irregularities, until obtaining the desired thickness, minimum 10 mm.

- Once the necessary hardening is reached, complete the desired finish, textured, scraping, troweled, smooth...

** The times can considerably oscillate depending on the ambient temperature.*



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Packaging

30 kg sack
1260 kg pallet (42 sacks)

Color

White (Others on demand)

Consumption

12 - 13 kg/m² and cm thickness
*These consumptions may vary according to the substrate and number of passes.

Preservation

It contents hydraulic lime (setting with humidity).

Revex-cal R300 thermo

Lightened and projectable lime mortar

Natural hydraulic lime (NHL), hydrate lime with calcium high content (CL-90-S), silica sand, crystalized calcite, lighten minerals, inorganic pigments and compounds by silica particles.



Product

- Ecologic and natural 100%.
- Very lighten.
- Fungicidal and bactericidal properties
- Reduced content in soluble salts.
- Elevated permeability to water steam.

Observations

- Do not add any additive to the mortar.
- On absorbent or porous surfaces and in a strong heat season moisten before applying the product.
- Treat the singular zones (fissures...) with glass fiber mesh.
- The dry time will oscillate depending on the existing temperature and humidity.

Characteristics

- Recommended thickness per layer: 10 mm
- Minimum thickness after the kneading: 10 mm

Performances

- Dust density: 950 ± 25 kg/m³
- Water kneading (in laboratory): 37%
- Density in mass: 1330 ± 25 kg/m³
- Thermal conductivity (UNE 92202 / UNE EN12667:2002): $\lambda=0.220$ W/m • K
- Reaction against fire: Euroclass A1
- Classification: OC-CSII-W2

** These results have been obtained in standard conditions and they can oscillate depending on the workplace conditions.*

Enforcements

- Lighten and projectable lime mortar, as monolayer revoke for facades decoration and termination.
- Indicated for new construction, rehabilitation in which mortars with traditional characteristics and protection in front of rainwater.
- This mortar has qualities due to its low thermal conductivity, it acts as thermal regulator keeping the temperature more stable of the materials that it coats.
- Indoors and outdoors.

Supports

- Over brick enclosure, rough rendering, block concrete without water-repellent.

Recommendations

- Application temperatures 5°C to 35°C.
- Respect always the same water percentage during the mixture.
- Do not add water to the product after the kneading.
- Respect the existing base expansion joints, mortar, ceramic...
- Do not apply with rain risk, frost risk, with direct insolation, strong wind...

Revex-cal R300 thermo

Lightened and projectable lime mortar

Execution conditions

- Clean the support eliminating any dust remains, liquids, spillings, etc. In addition, eventual efflorescence wastes have to be eliminated and any other substance that can damage a good adherence to the support.
- Saturate the support with water at low pressure, to impede that this support absorbs the mixture water.
- An insufficient saturation could imply adherence losses and the cracks appearance in the mortar.
- Hydrates carbonation in contact with the atmospheric carbonate dioxide increases the resistance and the durability.
- Its mechanical resistance will be increasing progressively during the whole life.

Usage way

Manual kneading:

Mix a (23 kg) sack with 8-9 liters clean water liters with a mechanic whisk with low revolutions, until obtaining a homogeneous mass and without lumps.

Projected with machine:

Knead between 37-38% clean water.

- Apply the mortar until obtaining the desired thickness, minimum 10 mm. Even and smooth in order to obtain a good flatness.

- Once the necessary hardening is reached, complete the desired finish, textured, scraping, troweled, smooth...

**The times can considerably oscillate depending on the ambient temperature.*



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Packaging

23 kg sack
1242 kg pallet (54 sacks)

Color

White (Others on demand)

Consumption

9 - 10 kg/m² and cm thickness

**These consumptions can oscillate depending on the support and the coats number.*

Preservation

It contents hydraulic lime (setting with humidity)

Revex-cal (laying and grouting)

Lime mortar for placement and rejoin

Natural hydraulic lime (NHL), hydrate lime with calcium high content, silica and limy sand with great pureness and grain size compensated.



Product

- Special for filling joints
- Waterproof and breathable
- Good workability
- For new construction and rehabilitation
- Suitable for projecting

Observations

- Do not add any additive to the mortar.
- On absorbent or porous surfaces and in a strong heat season moisten before applying the product.
- Eliminate revoke wastes or old paintings, salts, molds...
- It is advisable the mechanical kneading, with low revolutions and always the same kneading time.
- The dry time will oscillate depending on the existing temperature and humidity.

Characteristics

- Repos time after kneading: 5min.
- Maximum thickness per layer: 15 mm.
- Minimum thickness after finishing: 10 mm.
- Scraping time: 4-15 hours.

**These times can vary considerably depending on the type of support and the environmental conditions..*

Performances

- Dust density: 1203 kg/m³
- Kneading water (in laboratory): 21%
- Density in mass: 1918 kg/m³
- Bending: ≥ 2.5 N/mm²
- Compression: ≥ 5 N/mm²
- Reaction against fire: Euroclass A1

**These results have been obtained in standard conditions and they can oscillate depending on the workplace conditions.*

Enforcements

- Lime mortar for placement and natural stone rejoin at new constructions or old rehabilitations in which it is needed a lime mortar 100% natural, without resins, cement or additives.
- It is suitable with the construction methods and old and present materials from a chemical, structural and mechanical point of view.
- Respectful with the environment and its wastes are totally recyclable and can be used again.
- Indoors and outdoors.

Supports

- Over brick enclosure, natural stone, new and old.

Recommendations

- Application temperatures 5°C to 35°C.
- Respect always the same water percentage during the mixture.
- Do not add water to the product after the kneading.
- Respect the existing base expansion joints, mortar, ceramic...
- Do not apply with rain risk, frost risk, with direct insolation, strong wind...

Revex-cal (laying and grouting)

Lime mortar for
placement and rejoin

Execution conditions

- Clean the support eliminating any dust remains, liquids, spellings, etc. In addition, eventual efflorescence wastes must be eliminated and any other substance that can damage a good adherence to the support.
- Saturate the support with water at low pressure, to impede that this support absorbs the mixture water.
- An insufficient saturation could imply adherence losses and the cracks appearance in the mortar.
- Hydrates carbonation in contact with the atmospheric carbonate dioxide increases the resistance and the durability.
Its mechanical resistance will be increasing progressively during the whole life.

Usage way

Manual kneading:

Mix the sack (25 kg.) with 5 - 5.5 liters of clean water until obtaining a homogeneous mass and without lumps.

Projected with machine:

Knead between 20 - 22% clean water.

- Apply the mortar until obtaining the desired thickness, mark and remove the remaining material.

- Once the necessary hardening has been achieved, proceed with the texture of the sore and cleaning.

- Placement of the brick in a traditional way.

**The times can considerably oscillate depending on the ambient temperature.*



Packaging

25 kg sack
1200 kg pallet (42 sacks)

Color

White and gray (others on request)

Consumption

±1.6 kg/m² and mm thickness

*These consumptions can oscillate depending on the support and the coats number.

Preservation

It contents hydraulic lime (setting with humidity).

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Revex Cal Plastering

Mortar of projectable lime

Natural hydraulic lime (NHL), high calcium hydrated lime (CL-90-S), clinker, silica sands, crystallized calcite, biodegradable additives and mineral pigments.



Product

- Setting by chemical reaction of its components
- Fungicidal and bactericidal properties
- Reduced soluble salt content
- High permeability to water vapor

Observations

- Do not incorporate any additives into the mortar.
- On absorbent or porous surfaces and in times of strong heat moisten before applying the product.
- Treat the singular areas (fissures...) with fiberglass mesh.
- The drying time will vary depending on the existing temperature and humidity.

Caracteristics

- Layer thickness: 10 - 15 m
- Minimum finish thickness: 10 mm

Performances

- Powder density: 1313 ± 50 kg/m³
- Kneading water (in laboratory): 19%
- Mass density: 1674 ± 50 kg/m³
- Hardened product density: 1453 ± kg/m³
- Thermal conductivity (EN 1745): $\lambda=0.40$ W/m • K
- Reaction to fire: Euroclass A1
- Rating: OC-CSII-W2

**These results have been obtained under standard conditions and may vary depending on the commissioning conditions.*

Applications

- Mixed mortar of high-quality projectable lime, for plastering and plastering as a finish of facades.
- Indicated for new construction, rehabilitation in which mortars with traditional characteristics and protection against rainwater are required.
- This mortar has qualities that cannot be obtained with artificial cements or limes.
- Indoors and outdoors.

Supports

- On brick enclosure, rough plastering, concrete block without water-repellent...

Recommendations

- Application temperature s 5°C to 35°C.
- Always respect the same percentage of water during mixing.
- Do not add water to the product once kneaded.
- Respect the expansion joints of the existing base, mortar, ceramic...
- Do not apply with risk of rain, frost, with insolation direct, strong wind...

Conditions of execution

- Clean the support removing traces of dust, liquids, remains of materials...
- Any residues of efflorescence and any other substance that may impair good adhesion to the support must also be eliminated.
- Saturate the support with water at low pressure, to prevent it from absorbing the water from the mixture.
- Insufficient saturation could lead to loss of adhesion and the appearance of cracks in the mortar.
- Carbonation of hydrates in contact with atmospheric carbon dioxide increases strength and durability.
- Their mechanical resistance will increase progressively for life.

Revex Cal Plastering

Mortar of projectable lime

Employment



Manual kneading:

Mix the contents of the bag (30 kg) with 5-7 liters of clean water with mechanical mixer at low revolutions, to form a homogeneous mass and without lumps.



Projected with machine:

Knead between 18-20% clean water.



Apply the mortar until the desired thickness is achieved, minimum 10 – 15 mm. Water and smooth to get a good flatness.



Once the necessary hardening has been achieved, make the desired finish, scraping, trowelled, smooth...

** The times they can vary considerably depending on the ambient temperature.*



Packaging

25 kg bag
Pallet of 1200 kg (48 bags)

Color

White (others a la carte)

Consumption

1.2 – 1.5 kg/m² and mm thick

*These consumptions may vary according to the support and number of passes.

Conservation

In original container closed to the shelter of the weather and humidity: 1 year.



! IMPORTANT

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Revex-cal RF

Projectable lime mortar

Natural hydraulic lime (NHL), hydrate lime with calcium high content (CL-90-S), silica sand, crystalized calcite, biodegradable additives and mineral pigments.



Product

- Ecologic and natural 100%
- Setting by chemical reaction of its components
- Properties fungicides and bactericidal
- Reduced content in soluble salts
- Elevated permeability to water steam

Observations

- Do not add any additive to the mortar.
- On absorbent or porous surfaces and in a strong heat season moisten before applying the product.
- Treat the singular zones (fissures...) with glass fiber mesh.
- The dry time will oscillate depending on the existing temperature and humidity.

Characteristics

- Layer thickness: 10 - 15 mm
- Minimum thickness finish: 10 mm

Performances

- Dust density: 1313 ± 50 kg/m³
- Kneading water (laboratory): 19%
- Density in mass: 1674 ± 50 kg/m³
- Density of the hardened product: $1453 \pm$ kg/m³
- Thermal conductivity (EN 1745): $\lambda=0.40$ W/m • K
- Reaction against fire: Euroclass A1
- Classification: OC-CSII-W2

** These results have been obtained in standard conditions and they can oscillate depending on the workplace conditions.*

Enforcements

- Lime projectable mortar with high quality, for renovation and coating as a facades termination.
- Indicated for new construction, rehabilitation in which are required mortars with traditional characteristics and protection in front of rainwater.
- This mortar has qualities that cannot be obtained with cement or artificial lime.
- Indoors and outdoors.

Supports

- Over brick enclosure, rough rendering, block concrete without water-repellent...

Recommendations

- Application temperatures 5°C to 35°C.
- Respect always the same water percentage during the mixture.
- Do not add water to the product after the kneading.
- Respect the existing base expansion joints, mortar, ceramic...
- Do not apply with rain risk, frost risk, with direct insolation, strong wind...

Revex-cal RF

Projectable lime mortar

Execution conditions

- Clean the support eliminating any dust remains, liquids, spellings, etc. In addition, eventual efflorescence wastes must be eliminated and any other substance that can damage a good adherence to the support.
- Saturate the support with water at low pressure, to impede that this support absorbs the mixture water.
- An insufficient saturation could imply adherence losses and the cracks appearance in the mortar.
- Hydrates carbonation in contact with the atmospheric carbonate dioxide increases the resistance and the durability.
- Its mechanical resistance will be increasing progressively during the whole life.

Usage way

Manual kneading:

Mix a (30 kg) sack with 5-7 liters clean water liters with a mechanic whisk with low revolutions, until obtaining a homogeneous mass and without lumps.

Projected with machine:

Knead between 18 - 20% clean water.

- Apply the mortar until obtaining the desired thickness, minimum 10 - 15 mm, even and smooth to obtain a good flatness.

- Once the necessary hardening is reached, effect the desired finish, scraping, troweled, smooth ...

**The times can considerably oscillate depending on the ambient temperature.*



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Packaging

30 kg sack
1260 kg pallets (42 sacks)

Color

White (Others on demand)

Consumption

1,2 – 1,5 kg/m2 and mm thickness
*These consumptions may vary according to the substrate and number of passes.

Preservation

It contains hydraulic lime (setting with humidity).

Revex-cal RF-300

Projectable lime mortar

Natural hydraulic lime (NHL), hydrate lime with calcium high content (CL-90-S), silica sand, crystalized calcite, biodegradable additives and mineral pigments.



Product

- Ecologic and natural 100%
- Setting by chemical reaction of its components
- Properties fungicides and bactericidal
- Reduced content in soluble salts
- Elevated permeability to water steam

Observations

- Do not add any additive to the mortar.
- On absorbent or porous surfaces and in a strong heat season moisten before applying the product.
- Treat the singular zones (fissures...) with glass fiber mesh.
- The dry time will oscillate depending on the existing temperature and humidity.

Characteristics

- Layer thickness: 10 - 15 mm
- Minimum thickness finish: 10 mm

Performances

- Dust density: 1266 ± 50 kg/m³
- Kneading water (in laboratory): 19 %
- Density in mass: 1550 ± 50 kg/m³
- Density of the hardened product: $1450 \pm$ kg/m³
- Thermal conductivity (EN 1745): $\lambda=0.360$ W/m • K
- Reaction against fire: Euroclass A1
- Classification: OC-CSII-W2

** These results have been obtained in standard conditions and they can oscillate depending on the workplace conditions.*

Enforcements

- Lime projectable mortar with high quality, for revoke and plaster as a facades termination.
- Indicated for new construction, rehabilitation in which are required mortars with traditional characteristics and protection in front of rainwater.
- This mortar has qualities that cannot be obtained with cement or artificial lime.
- Indoors and outdoors.

Supports

- Over brick enclosure, rough rendering, block concrete without water-repellent...

Recommendations

- Application temperatures 5°C to 35°C.
- Respect always the same water percentage during the mixture.
- Do not add water to the product after the kneading.
- Respect the existing base expansion joints, mortar, ceramic...
- Do not apply with rain risk, frost risk, with direct insolation, strong wind...

Revex-cal RF-300

Projectable lime mortar

Execution conditions

- Clean the support eliminating any dust remains, liquids, spillings, etc. In addition, eventual efflorescence wastes must be eliminated and any other substance that can damage a good adherence to the support.
- Saturate the support with water at low pressure, to impede that this support absorbs the mixture water.
- An insufficient saturation could imply adherence losses and the cracks appearance in the mortar.
- Hydrates carbonation in contact with the atmospheric carbonate dioxide increases the resistance and the durability.
- Its mechanical resistance will be increasing progressively during the whole life.

Usage way

Manual kneading:

Mix a (30 kg) sack with 5.5 – 6,5 liters clean water liters with a mechanic whisk with low revolutions, until obtaining a homogeneous mass and without lumps.

Projected with machine:

Knead between 19 - 20% clean water.

- Apply the mortar until obtaining the desired thickness, minimum 10 - 15 mm cross and smooth to get a good flatness.

- Once the necessary hardening is reached, effect the desired finish, scraping, troweled, smooth ...

**The times can considerably oscillate depending on the ambient temperature.*



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Packaging

30 kg sack
1260 kg pallet (42 sacks)

Color

White (Others on demand)

Consumption

13 - 14 kg/m² and mm thickness

*These consumptions can oscillate depending on the support and the coats number.

Preservation

It contents hydraulic lime (setting with humidity).

Revex-cal RS



Description

Outdoor / indoor use coating specially formulated to apply over supports performed with mineral lime mortars type **Revex-cal base**, and consisting in revoke mineral colored based on potassium silicate dispersion established, according to DIN 18363, paragraph. 2.4.1 grain size arid selected and compensated and reinforced with EPHDRY TECHNOLOGY, that it is water-repellent compound based on silica nano particles, reacting among them, forming a tridimensional reticle without blocking the porous allowing thus the water steam diffusion and creating a water repellent effect that drags the accumulated dust on the façade provoking an auto cleaning effect.

Properties

- Mineral matt surface with high adherence.
- Anti-mold.
- Breathable to water steam and very permeable to CO₂.
- It forms a layer over the support, reacting in an insoluble way and consolidating totally through micro silicization.
- Reduced tendency to dirtiness and high resistance to the time passage-fi-reproof, antistatic, non-thermo plastic.
- High resistance to UV rays, industrial gases emissions and acid rain.
- Waterproof to rainwater, even few hours after its application.
- Ecologic by its properties and composition-without solvents addiction.
- Applicable in all the mineral supports

Workplace

Preparation of the support

- It has to be respected the minimum 10 to 15 days period (until unified tone appearance without water retention stains) before applying the silicate revoke over a new hydraulic natural lime, depending on the climatic conditions moment.
- The support has to be dry, healthy and without any dust and liquid remains.
- The surface is coated applying two revoke layers.

Technical information

Commercial denomination

REVEX-CAL RS

Aspect

Consistent paste White or colored

Presentation

5 - 25 kg buckets approx.

Binding base

Hybrid combination of potassium silica emulsion / acrylate with arid

Dilluting

PRIMER SI máx. 50%

Cleaning

Immediately after its use, with water

Finish

MINERAL MATT

Specific weight

1.55 Gr/cm³

Ph:

Approx. 11

Organic material content:

<5%

Permeability to water (w)

<0.10 [kg/(m²·h0.5)]

Colors

Color chart

Approx. yield per hand

From 0.15 to 1.5 m²/kg
(Consumption indicated is orientate, in any case an exact consumption will be determined performing workplace samples)

Touch dry (20°C HR: 60%)

2 hours

Repainting (20°C HR: 60%)

12 hours

Application temperature

From 8 to 35°C

Storage

At a dry place, protect from Frost and closed package. Protect against heat and the sun direct incidence.

Revex-cal RS

Application

To improve the application and working speed of the **Revex Cal RS**, thoroughly remove the product before use, mechanically and until its perfect homogenization.

Method in 2 layers

- In order to prepare the surface, apply a layer as ground of **Primer SI**. This layer improves also the mechanical mortar resistances the absorption and acts as an adherence promotor and of the silicization mineral revoque with the mortar.
- Let it dry at least 12 hours.
- After this time, apply one coat of **Revex-cal RS**, uniformly and as a regularization layer, to guarantee the chromatic uniformity of the following layers.
- Once dry to the touch (approx., between 2 and 5 hours depending on the weather), apply a second finishing layer with the **Revex-cal RS** type of chosen.

Method in 1 layer

- When the supports allow it that means, being new or they present a healthy or non-improving aspects, there will be the option for the coating application **Revex-cal RS**, in a single layer, and to proceed with this you have to follow like this:
- In order to prepare the surface, apply a layer with **Revex-cal RS**, diluted to 50% with **Primer SI**, in a uniform way and without irregularities, in such a way that this layer covers totally the support and guarantee the chromatic uniformity of the following finish layer.
- Let it dry at least 12 hours.
- After this time, apply a second finish layer with the kind of revoque chosen **Revex-cal RS**.

In any of the two application methods:

- Do not apply the product at temperatures low than 8°C nor with superior humidity to 80%.
- Avoid application over the exposed surface to a high insolation
- Apply in complete panels and from wet to wet in order to obtain the maximum color intensity.

Application method

- Nonmetallic trowel, roll or airless pistol.



Packaging

5 - 25 kg bucket

Color

Colors chart

Consumption

From 0.15 to 1.5 m²/kg

Preservation

At a dry place, protect from Frost and closed package. Protect against heat and the sun direct incidence.



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Natural cork

Natural cork elastic coating



Packaging

15 liters drum

Colors

White and ivory.
(Others on demand)

Consumption

6 – 8 m² (15 liters)

Preservation

In closed original container, protected from moisture
and the weather: 2 years

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Granover fund

Colored background for Granover

Low consistency paste, formulated with active principles, solubilized with water base.



Product

- Good mating.
- Waterproof to rain water.
- Good behavior outdoor.
- Easy application.

Performances

- Application temperatures: 5 - 30 °C
- Material: Acrylic polymer
- Diluting: water

Characteristics

- Mix the content until obtaining a perfect homogenize.
- Apply with roller, brush...
- It can be diluted with water $\pm 5\%$.
- Drying time: 1 – 3 hours
- Cleaning tools: water

*These results can oscillate depending on the workplace conditions.

Recommendations

- Over clean and healthy support, dry, without grease and without fissures...
- The surface to be treated has to be without humidity.
- Application as a painting with thin layer.
- Protect all the zones where product splashes can take place like Windows, floors...
- In normal conditions, a layer is enough.
- Over new mortar, its setting has to be completed (≥ 28 days).
- Do not apply with rain risk and frost-thaw, direct insolation, strong wind...
- Not fit for surfaces exposed to frost-thaw ($< 5\text{ °C}$).
- Do not apply in surfaces where water can stay stuck.

Granover fund

Colored background for **Granover**

Usage way

Stir the content until a perfect homogenization.

Application with roller, brush...

Can be diluted with water \pm 5 %.

Drying time: 1 - 3 hours

Cleaning of tools: water

* These results may vary according to the conditions of application.

Associated products

*Granover



Packaging

20 kg drum

Colors

Similar **Granover**.
(Others on demand)

Consumption

Theory: 8-10 m²/kg (1 layer).

Aspect

Painting

Preservation

In the closed original container and sheltered from outdoor and humidity: 2 years

⚠ IMPORTANT

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Mortecril fund®

Background regulator for acrylic mortar

Binders, mineral pigments and organic and inorganic additives.



Product

- To regulate the color and absorption.
- Ready to use.
- Easy application.
- Excellent adherence.
- Color chart.

Observations

- To avoid transparencies in the final finish.
- Do not add any additive to the product.
- Consumption per m² can considerably oscillate depending on the support absorption.
- Fit to be recovered.

Performances

- Capillary water absorption: 0.04 kg (m² · min 0.5)
- Adhesion: > 1.0 N/mm
- Application temperatures: 5 - 30 °C
- Material: Acrylic polymer
- Diluting: water

**These results can oscillate depending on the workplace conditions.*

Enforcements

- Color primer for regularization and fund absorption before the acrylic coating application associated with the external thermal isolation for outdoors **Pavitherm (SATE + ETICS)**.

Supports

- **Pavitherm System (SATE) (ETICS), Revislant, Revistamp-Sec**, concrete, conventional mortar, wood and plaster...
- Over already painted support or old coatings, in good condition restoration and perfectly adhered to the support.

Execution conditions

- The supports must be flat, stable, resistant and clean.
- Application over absorbent support.
- To avoid transparency and changes in tone, always use the Mortecril background with the same color or similar to the final coating.
- Depending on the chosen color and support absorption, it could be necessary to apply 2 layers.
- The regularization layer with **Mortecril fund** must be completely dry before the application of **Mortecril**.

Mortecril fund®

Background regulator for acrylic mortar

Usage way

Remove the content until obtaining a perfect homogenize.

Once the container has been opened, before use, stir the entire contents with a whisk until a homogeneous mass is obtained.

Apply with roller, brush...

It can be diluted with water.

Drying time: 1 – 3 hours

Cleaning tools: water

Associated products

*Mortecril micro

*Mortecril line

*Mortecril rustic

*Revislant (Pavitherm SATE + ETICS)

*Revistamp sec



Packaging

25 kg plastic drum
600 kg pallet (24 drums)

Colors

Color chart **Mortecril**

Consumption

0,2 - 0,3 kg/m² (depending on the support absorption)

Preservation

In original container closed and sheltered from
outdoor and humidity: 1 year

⚠ IMPORTANT

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Granover

Marble conglomerate

Composed by triturated marble mixture together with acrylic organic resins.



Product

- Excellent adherence.
- High superficial hardness.
- Permeable to water steam, letting the support breathing.
- Cleanable.
- Ageing resistant.
- Colors chart.

Observations

DO NOT APPLY:

- With direct insolation.
- Over surfaces exceeding 25°C measured over the surface to be coated.
- With relative humidity: >70%
- Over horizontal surfaces or less than 45° inclined surfaces.
- Avoid application with wind, rain risk or frost.
- Do not add any additive to the mortar.

Characteristics

- Primer drying time: 12-24 hours.
- Product ready to use
- Water addition: $\pm 2\%$
- Minimum thickness: 3-4 mm (depending on the arid).
- Smoothing time: 10-20 min. approx.
- Dry touch: 6-7 hours.
- Total hardening time: 16- 17 hours.

** These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Paste density: 1700 kg/ltr.
- Drying retraction: 4.50 mm/m
- Capillary water absorption: 0.04 kg (m² . min 0.5)
- Adherence: ≥ 2.00 N/mm²
- Behavior against fire: non inflammable
- Insensitive to marine atmospheres
- Insensitive to acid rain
- Insensitive to carbonic pollution
- Absolutely odorless once it is polymerized

***These results can oscillate depending on the workplace conditions.*

Applications

- Synthetic mineral coating with high performances for all kind of facades decoration, indoors and outdoors.
- New construction or rehabilitation.
- Suitable with the majority of the supports.
- Obstruct systematically micro capillary fissures.
- Specially formulated for skirting reinforcement in the outdoor isolation system **Pavi-Therm (SATE)**.

Supports

- **Revistamp M-120**, concrete, conventional mortar, plaster...
- Over supports with painting, solids, absorbent and previously prepared.

Recommendations

- Application temperatures: 10 - 25°C.
- Use adhesive tape to make work joints.
- Protect the coating superior edges from the rainwater penetration.
- Protect the zones where product splashes can take place like windows, floors...
- **Granover** (with or without finishing varnish) can be cleaned using neutral washing up liquid followed by a soft bristle brush and a clean water rinse.

Execution conditions

- The supports have to be flat, healthy, stable and resistant, without dust, loose particles, old paintings remains, oils...
- Over very absorbent supports or easily disaggregating, apply previously 1 primer coat **F-300** diluted with water (1 to 4 water parts).
- In clear tones, apply before 1 coat **Granover fund** in order to avoid the transparency shadows risk.
- Product ready to use and applied with a stainless steel trowel.
- Before using, once it is outside the original package and spilt in a gum basket, it will be removed manually until obtaining a homogeneous mixture.
- Application and finish will always be in complete panels.
- The work joints will be made with adhesive tape.

Granover

Marble conglomerate

Usage way



Manual kneading:

Remove the product manually until a homogeneous mass.

Application with steel trowel, once the product is extended in a successive way crossing the material and eliminating the product accumulation zones in a way of obtaining a totally flat and covered surface by **Granover**.



Working time is 10-20 minutes depending on the temperature and ambient humidity.

Working tools cleaning: has to be done with abundant water immediately after its usage.

Associated products

*Found granover

*F-300

*Pavitherm



Packaging

25 kg drums.

600 kg pallet (24 drums).

Colors

Colors chart



(As it is quarry Stone with a natural color, aspect differences can take place, It is advisable a unique delivery).

Consumption

4-5 kg/m² (depending on the arid)

Preservation

In the closed original container and sheltered from outdoor and humidity: 1 year

⚠ IMPORTANT

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Mortecril Line®

Acrylic mortar finished with steel trowel or projected

Silicates, acrylic resins, loads, mineral pigments and organic and inorganic additives.



Product

- Finishes troweled – gout.
- Excellent adherence.
- Anti-mold – anti-moss.
- Ageing resistant.
- Cleanable.
- Colors chart.

Observations

- Do not apply over horizontal surfaces or less than 45° inclined surfaces.
- Protect the coating superior edges from rainwater penetration.
- Do not add any additive to the mortar.
- Consumption per m2 can considerably oscillate depending on the support planimetry.

Characteristics

- Application thicknesses from 2 – 4 mm.
- Troweled time: 10-20 minutes.
- Dry touch: 3-6 hours.
- Total hardening time: 12- 24 hours.

** These results are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Paste density: 1905 kg/m3
- Drying shrinkage: 4.50 mm / m
- Flexural Elasticity Module: ≥ 27 MPa
- Dynamic Elasticity Module: ≥ 200 MPa
- Flexural strength: ≥ 1.5 N / mm2
- Compressive strength: ≥ 18 N / mm2
- Capillary absorption of the mortar support: 12g/(m2xs0,5)
- Adhesion on mortar: ≥ 2 N / mm2
- Water permeability (48h): 0.04 ml / cm2
- Fire behavior: non-combustible

***These results can oscillate depending on the workplace conditions.*

Enforcements

- High performances acrylic coating with thin layer for decoration, waterproofing and protection from all kind of facades, outdoors and indoors.
- New construction and rehabilitation.
- Water and dirtiness repellent.
- Anti-mold- anti-moss.
- In walls and ceilings.
- Suitable with the majority of supports.

Supports

- **Revistamp Sec**, concrete, conventional mortar, wood and plaster.
- For finishes associated with the isolation systems for outdoors **Pavi-Therm**, apply over **Revislant**.
- Over already painted support or old coatings, in good condition restoration and perfectly adhered to the support.

Recommendations

- Application temperatures from 5 to 30°C.
- Do not apply with direct insolation, strong wind or rain or frost possibility.
- Protect the zones where product splashes can take place, like windows, floors ...
- Clean the utensils with water.

Execution conditions

- The supports have to be flat, stable, resistant and clean.
- Application over excellent planimetry supports.
- Over very absorbent or easily disaggregating supports, apply previously a primer layer **F-300** diluted with water (1 part **F-300**, 3 water parts).
- Always apply a primer coat **Mortecril** background so that there are no possible transparencies, 24 hours after **Mortecril line** can be applied.
- Use adhesive tape to delimit the work joints or decorative quartering.
- In case of applying in great extensions, prevent additional manpower to avoid the joints appearance inside the same surface.
- Do not interrupt application once started, unless performing a work or decorative joint.

Mortecril Line®

Acrylic mortar finished with steel trowel or projected

Usage way



The mortar is provided ready to use.
Once the drum is opened and before using it, stirs the contents with a whisk until a homogeneous mass is obtained.



Apply **Mortecril Line** with stainless steel trowel or with projecting pistol with a 2-3 mm thickness in all its points.



Projected drop-shaped and ironed finish

Associated products

- *Mortecril background (primer coat)
- *Mortecril micro
- *Mortecril rustic
- *Revislant (pavitherm)
- *Revistamp sec M-120



Packaging

25 kg drum
600 kg pallet (24 drums)

Colors

28 colors chart

Consumption

(1 pass and according to support)
2-4 kg/m², applied with trowel.
2-3 kg/m², applied with pistol.

Preservation

In original container closed (20°C) and protected from weather and humidity: 2 years.

! IMPORTANT

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Mortecril Micro®

Acrylic mortar fine grain finish

Silicates, acrylic resins, loads, mineral pigments and organic and inorganic additives.



Product

- Finishes troweled-drop.
- Excellent adherence.
- Anti-mold – anti-moss.
- Ageing resistant.
- Cleanable.
- Colors chart.

Observations

- Do not apply over horizontal surfaces or less than 45° inclined surfaces.
- Protect the coating superior edges from rainwater penetration.
- Do not add any additive to the mortar.
- Consumption per mt2 can considerably oscillate depending on the support planimetry.

Characteristics

- Application thicknesses from: 2 – 3 mm.
- Troweled time: 10-20 minutes.
- Dry touch: 3-6 hours.
- Total hardening time: 12- 24 hours.

** These results are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Paste density: 1905 kg/m3
- Drying shrinkage: 4.50 mm / m
- Flexural Elasticity Module: ≥ 25 MPa
- Dynamic Elasticity Module: ≥ 200 MPa
- Flexural strength: ≥ 1.5 N / mm2
- Compressive strength: ≥ 18 N / mm2
- Capillary absorption of the mortar support: 12g/(m2xs0,5)
- Adhesion on mortar: ≥ 2 N / mm2
- Water permeability (48h): 0.04 ml / cm2
- Fire behavior: non-combustible

***These results can oscillate depending on the workplace conditions.*

Enforcements

- High performances acrylic coating with thin layer for decoration, waterproofing and protection from all kind of facades, outdoors and indoors.
- New construction and rehabilitation.
- Water and dirtiness repellent.
- Anti-mold- anti-moss.
- In walls and ceilings.
- Suitable with the majority of supports.

Supports

- **Revistamp Sec**, concrete, conventional mortar, wood and plaster
- For finishes associated with the isolation systems for outdoors **Pavi-Therm**, apply over **Revislant**.
- Over already painted support or old coatings, in good condition restoration and perfectly adhered to the support.

Recommendations

- Application temperatures from 5 to 30°C.
- Do not apply with direct insolation, strong wind or rain or frost possibility.
- Protect the zones where product splashes can take place, like windows, floors...
- Clean the utensils with water.

Execution conditions

- The supports have to be flat, stable, resistant and clean.
- Application over excellent planimetry supports.
- Over very absorbent or easily disaggregating supports, apply previously a primer layer **F-300** diluted with water (1 part **F-300**, 3 water parts).
- Always apply a **Mortecril** background primer so that no possible transparencies remain, after 24 hours, apply the **Mortecril micro**.
- Use adhesive tape to delimit the work joints or decorative quartering.
- In case of applying in great extensions, prevent additional manpower to avoid the joints appearance inside the same surface.
- Do not interrupt application once started, unless performing a work or decorative joint.

Mortecril Micro®

Acrylic mortar fine grain finish

Usage way



The mortar is provided ready to use.

Once the drum is opened and before using it, stirs the contents with a whisk until a homogeneous mass is obtained.

Apply two-layer **Mortecril micro** with stainless steel trowel or with gun...



Cross and distribute to obtain a uniform layer with the same thickness in all its points.

With the adequate consistency, pass the sponge trowel softly, until obtaining the desired texture.



Use adhesive tape to perform the work joints or any imitation brick, stone...

Associated products

- *Mortecril fund
- *Mortecril line
- *Mortecril rustic
- *Revislant (pavitherm)
- *Revistamp sec M-120



Packaging

25 kg drum
600 kg pallet (24 drums)

Colors

28 colors chart

Consumption

(1 pass and according to support)
3-4 kg/m² manual application
2-3 kg/m² projecting pistol application

Preservation

In original container closed and protected from weather and humidity: 2 years.

! IMPORTANT

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Mortecril Rustic®

Acrylic mortar, rustic and striped finish

Silicates, acrylic resins, loads, mineral pigments and organic and inorganic additives.



Product

- Rustic finishes.
- Excellent adherence.
- Anti-mold – anti-moss.
- Ageing resistant.
- Cleanable.
- Colors chart.

Observations

- Do not apply over horizontal surfaces or less than 45° inclined surfaces.
- Protect the coating superior edges from rainwater penetration.
- Do not add any additive to the mortar.
- Consumption per m2, can considerably oscillate depending on the support planimetry.

Characteristics

- Application thicknesses from 2 - 4 mm.
- Troweled time: 10-20 minutes.
- Dry touch: 3-6 hours.
- Total hardening time: 12- 24 hours.

** These results are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Paste density: 1905 kg/m3
- Drying shrinkage: 4.50 mm/m
- Flexural elasticity module: ≥ 27 MPa
- Dynamic elasticity module: ≥ 200 MPa
- Flexural strength: ≥ 1.5 N/mm2
- Compressive strength: ≥ 18 N/mm2
- Capillary absorption of the mortar support: 12g (m2xs0,5)
- Adhesion on mortar: ≥ 2 N/mm2
- Water permeability (48h): 0.04 ml/cm2
- Fire behavior: non-combustible

***These results can oscillate depending on the workplace conditions.*

Enforcements

- High performances acrylic coating with thick layer for decoration, waterproofing and protection from all kind of facades, outdoors and indoors.
- New construction and rehabilitation.
- Water and dirtiness repellent.
- Anti-mold- anti-moss.
- In walls and ceilings.
- Suitable with the majority of supports.

Supports

- **Revistamp-Sec**, concrete, conventional mortar, wood and plaster.
- For finishes associated with the isolation systems for outdoors **Pavi-Therm**, apply over **Revislant**.
- Over already painted support or old coatings, in good condition restoration and perfectly adhered to the support.

Recommendations

- Application temperatures from 5 to 30°C.
- Do not apply with direct insolation, strong wind or rain or frost possibility.
- Protect the zones where product splashes can take place, like windows, floors ...
- Clean the utensils with water.

Execution conditions

- The supports have to be flat, stable, resistant and clean.
- Application over excellent planimetry supports.
- Over very absorbent or easily disaggregating supports, apply previously a primer layer **F-300** diluted with water (1 part **F-300**, 3 water parts).
- Always apply a primer coat **Mortecril** background so that there are no possible transparencies, 24 hours after **Mortecril rustic** can be applied.
- Use adhesive tape to delimit the work joints or decorative quartering.
- In case of applying in great extensions, prevent additional manpower to avoid the joints appearance inside the same surface.
- Do not interrupt application once started, unless performing a work or decorative joint.

Mortecril Rustic®

Acrylic mortar, rustic and striped finish

Usage way



Mortar is provided ready to use.

Once the package is opened and before using, remove all the content with a whisk until obtaining a homogeneous mass.



Apply **Mortecril rustic** with stainless steel trowel or with projecting pistol with a 2-3mm thickness in all its points.

Projected in a drop way and finish pressed

Use adhesive tape to perform the work joints or any imitation brick, stone ...



Associated products

*Mortecril fund

*Mortecril micro

*Mortecril line

*Revislant (pavitherm)

*Revistamp sec M-120



Packaging

25 kg drum
600 kg pallet (24 drums)

Colors

28 colors chart

Consumption

2-4 kg/m², applied with trowel.
2-3 kg/m², applied with projecting pistol.

Preservation

24 months (20°C) from the fabrication date, in the closed original package and sheltered from outdoor and humidity.

! IMPORTANT

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Dry Mortar

Dry mortar ready to use

Mortar formulated based in white or grey cement, silica sand, selected arid and additives increasing the workability.



Product

- Water-repellent and breathable.
- For new construction and rehabilitation.
- Projectable with machine.
- Rendering and assembly.
- Plasters and whitewashes.

Observations

- Do not add any additive to the mortar.
- Do not apply in surfaces where water can remain stuck.
- Do not apply over facings where filtrations, capillarity water courses or water coating immersion possibility are to be previewed.
- Over mortar, stone, brick, degraded facades... old supports, it is important to eliminate totally the existing mortar, cleaning the support with pressure water or sandblast.
- Consumption can oscillate depending on the condition and flatness in the facing to be coated.

Usage characteristics

- Rest time after the kneading: 2 min.
- Minimum thickness: 10 mm.
- Layer maximum thickness: 10 mm.
- Maximum thickness: 30 mm (layered 10 mm).

Performances (Siliceo - M-80) (12 mm thickness)

- Powder density: 1,4-1,7 g/cm³
- Kneading water: according ref in container
- Fresh mortar density: 1,9-2,2 g/cm³
- Workability time: 20-40 minutes
- Capillarity: 0.23 kg (m² min. 0.5)
- Compression resistance: ≥ 7 N/mm²
- Shear strength: ≥ 0.15 N/mm²
- Behavior against fire: A1

Performances (M-50) (12 mm thickness)

- Compression resistance: ≥ 5 N/mm²
- Flexural strength resistance: $\geq 1,3$ N/mm²
- Behavior against fire: A1

Performances (Proyactable) (12 mm thickness)

- Compression resistance: ≥ 4 N/mm²
- Flexural strength resistance: ≥ 1 N/mm²
- Behavior against fire: A1

** Essays according European norm, these results can oscillate depending on the workplace conditions*

Enforcements

- Dry mortar for general brickwork workplaces, stone masonry, plasters to receive painting, floor screeds, terrazzo pavements, heating floors ...
- Improve the traditional mortars characteristics and it can also be used for mechanic projection and allows receiving any kind of termination.

References

- Projectable: **M-80** (siliceous) and **M-50** (on request).

Supports

- Ceramic brick, concrete, concrete block...

Recommendations

- Application temperatures between 5 and 30°C.
- When preparing the mortar, use the same percentage of water and mixing time.
- Place fiberglass or metal mesh in areas such as joints between different materials, floors, pillars, blind boxes, angles of frames and windows. The mesh should cover on each side of the joint 20 cm. at least being centered on the thickness of the coating.
- In cold weather, the **Hormidur - 100** mortar setting accelerator can be used.
- Product formulated for mixing with additive in underfloor heating, minimum thickness 8 cm and according the manufacturer's instructions.

Execution conditions

- The supports have to be flat, healthy, stable and resistant, without dust, plaster, painting ...
- Glass or metallic fiber mesh placement in risky or fissures zones.
- In the hot weather time and with dry wind, a facing humidification has to be performed before and 24 hours after the coating application, in order to facilitate the monolayer cure and avoid the fissures and cracking appearance as well as the dust zones formation. The higher the temperatures, the more intensity for these phenomena.
- Over smooth facing and with no absorption, concrete walls using **Ultimate** union bridge.
- Avoid mortar application with low temperatures, rain risk or frost-thaw possibility. In the hours following the application increases the efflorescence by carbonation appearance risk.

Dry Mortar

Dry mortar ready to use

Usage way



Mixing water:

- **PROJECTABLE:**
±15 % of water.
- **SILiceous:**
3-4 liters per bag (25 kg).
- **M-80:**
3-4 liters per bag (25 kg).
- **M-50:**
3-4 liters per bag (25 kg).



Knead until dough is smooth, let stand 2 minutes and remix.

Moisten before and after the mortar application to avoid the fissures or appearance.

During the curing process make the desired finish.



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Colors

White and grey
(Others a la carte)

Consumption

18-20 kg/m² and mm thickness

Preservation

In closed original container, protected from moisture
and the weather: 1 year

⚠ IMPORTANT

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Pavicem micro cement facades

For coating and decoration

Special cement, mineral loads, additives, resins and pigments.

2 mm
THICKNESS



Product

- Flexible and breathable.
- Anti-mold, anti-moss...
- Smooth-textured finish.
- High decoration.
- Indoors and outdoors.
- Professional use.

Observations

- Do not add water or any other additive to the mortar.
- Do not apply micro mortar **Pavicem** with capillary rising humidity possibility.
- Treat the singular zones (fissures...) with glass fiber mesh.
- Do not apply directly over brick enclosure, concrete block...
- The drying time will oscillate depending on the existing temperature and humidity.

Characteristics

- Mixture life: ± 30 minutes
- Open time: ± 15 minutes
- Maximum thickness: 0.1- 2 mm
- Layer maximum thickness: 0.5- 1 mm
- Touch dry: 2-4 hours

** These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Dust density: 0.7 g/cm³
- Mass density: 1.1 g/ cm³
- Adherence EN-1015/12: 2.10 N/mm²
- Water absorption: 0.008 g/cm²
- Frost-thaw: 0.01 kg/cm²

***These results are obtained with standards essays and they can oscillate depending on the workplace conditions.*

Enforcements

- High performances colored micro cement for facades coating, indoor and outdoor.
- In walls and ceilings.
- Minimum thickness (1-2mm)

Supports

- Over **Revistamp Sec, Revislant** (thermal isolation), conventional mortar, concrete, good condition painting, plaster, cardboard-plaster, wood, glass...

Recommendations

- Application temperatures 5°C to 35°C
- Respect always the same percentage **Acrylcem** during the mixture.
- Do not add water to the product.
- Respect the expansion joints in the existing base, mortar, ceramic....
- Do not apply with frost risk, direct insolation, strong wind or rain.

Execution conditions

- Over existing facings, they have to be flat and clean, without grout remains, release agents...
- The previous rendering base receiving micro mortar **Pavicem**, has to have a good planimetry, be resistant and absorbent.
- Over absorbent or porous surfaces and in the strong hot time moisten before applying the product.
- Over smooth or low absorbent surfaces, apply 1-2 quick primer coats **F-300**.
- If necessary, apply a first layer with **Pavicem micro mortar** to regulate the surface.
- Between layers, sand and vacuum.
- Over mortar, concrete... its setting has to be completed (≥ 28 days) and with humidity $< 4 \%$.

Pavicem micro cement facades

For coating and decoration

Usage way

Mixture ratio: 2 to 1

- 2 **Pavicem** parts.
- 1 **Acrylcem** part (approx.).

Mix the 2 components during 5 minutes with the indicated low revolutions whisk, until obtaining an homogenous mass, workable and without lumps and let it rest for 2 minutes.

Apply with the proper trowel at a rate of 0.5 mm each layer until obtaining the desired effect.

Once the surface is completely dry, <4 % humidity, apply the cured resin **Orfapol 50** (water base).

Optional: **Orfapol colorless** porcelain effect.

Associated products

*Pavicem micro mortar

*Acrylcem

*Orfapol-50

*Orfapol colorless

*Revislant (pavitherm)



Packaging 1-5-15 kg

15 kg drum
405 kg pallet (27 drums)

Colors

56 colors chart
(Others on demand)

Consumption

(1 pass)
*Pavicem: 0,2 kg/m²
*Acrylcem: 0,1 kg/m²

** These consumptions can oscillate depending on the support and*

Preservation

In original closed container (20°C) and sheltered from outdoor and humidity: 2 years

! IMPORTANT

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Pavistone 25N

Thixotropic mortar of excellent hardness

Based on hydraulic, light loads, water-repellents, resins, and mineral pigments.



Product

- Special theming.
- Excellent hardness.
- Suitable for projection machine.
- Waterproof and breathable.

Observations

- Do not incorporate any additive to the mortar.
- On metallic forms and reinforcements the first layer of mortar will be denser in order to facilitate the penetration in the holes of the mesh.
- On old supports of mortar, stone, brick, degraded facades... it is important to eliminate the existing mortar in its totality, cleaning the support with pressurized water or sand jet.
- The works carried out with these mortars, do not guarantee the watertightness function.
- Not suitable for surfaces exposed to freeze-thaw (< 5 °C).

Characteristics

- Resting time after mixing: 5 min.
- Maximum thickness tolerated: 5 - 10 cm.
- Maximum thickness per layer: 5 cm.
- Time of use of the mixture between 30 and 60 minutes.

** These times may vary considerably depending on the ambient temperature.*

Performances (12 mm)

- Mixing water (in the laboratory): 15%
- Powder density: 1.3 g/cm³
- Mass density: 1.990 kg/cm³
- Shaking table consistency: 140mm
- Bending strength: ≥6 N/mm²
- Compressive strength: ≥45N/mm²
- Adhesion on concrete: ≥1.5 N/mm²
- Ceramic adhesion: ≥1.2 N/mm²
- Water retention: 96%
- Fire behavior: A1 Euroclass

*** These results may vary depending on site conditions.*

Enforcements

- Thixotropic mortar in thin layer for continuous coating, special for ashlar stone, rock, swimming pool coronations, wall... theming.
- Great resistance and durability against outdoors.
- Outdoors - indoors.

Supports

- On metal mesh and structure, prefabricated elements, brick enclosure, concrete, concrete block.

Recommendations

- Application temperatures from 5 to 35°C
- The water percentage can oscillate depending on the used mixer.
- During the mortar preparation, use the same water percentage and mixing time to avoid mortar pickups with thicknesses superiors to 5 cm.
- In dark tones, deformations of thermal origin may increase, increasing the risk of appearance problems and possible changes in tone.
- Depending on the desired thickness, place the glass fiber or metal mesh in the coating center.
- In cold weather time, a setting accelerator for mortar can be used **Hormidur-SC**.

Execution conditions

- Supports must be flat, sound, stable and resistant, free of dust, plaster, paint.
- Placement of fiberglass or metal mesh in areas at risk of cracking.
- In hot weather and with dry wind, a humidification of the facing should be carried out before and 24 hours after the application of the coating, to favor the curing of the monolayer and to avoid the appearance of cracks and crazing, as well as the formation of dusty areas. The higher the temperature, the more these phenomena are intensified.
- On smooth or non-absorbing surfaces, use quick primer **F-300** or **Ultimate** bonding bridge.
- Avoid applying the coating at low temperatures, high humidity, rain or ice. In the hours following the application of the monocoat, the risk of efflorescence due to carbonation increases.

Pavistone 25N

Thixotropic mortar of excellent hardness

Instructions for use



- **Projected with machine:**
Percentage of water: 15-17%.
- **Manual kneading:**
Mix the contents of the bag (25kg.) with 3.5 - 5 liters of clean water until a homogeneous dough is obtained.



Mold or sculpt once the mortar begins the setting process to give the desired shape with the different tools.

After the sculpt and final setting, it can be pigmented with **Tint to water, Organic dyes...** to obtain the desired effect.



If necessary, apply 1-2 passes of **Orfapol colorless**.

Associated products

- *Ultimate
- *Water dye
- *Organic dyes
- *F-300
- *Orfapol colorless



Presentation

25 kg bag
1200 kg pallet (48 bags)

Color

White, gray, beige
(Others on request)

Consumption

14 - 17 kg/m² and cm of thickness

Conservation

In sealed original packaging, protected from humidity and weather: 1 year

! IMPORTANT

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Pavistone HD

Thixotropic mortar resistant to salts

Based on hydraulic binders, light loads, oil repellent, resins, and mineral pigments.



Product

- Frost-thaw resistant with salts.
- Theming rock special.
- High resistance mortar.
- Ideal for projecting machine.
- Waterproof and breathable.

Observations

- Do not add any other additive to the mortar.
- On metal shapes and frames, the first layer will be denser to facilitate penetration into the holes in the mesh.
- Over old concrete, stone, brick, degraded façades support... it is important to eliminate the existing mortar in its totality, cleaning the support with pressure water or sandblast.
- Works performed in these mortars do not guarantee the water tightness.
- On walls in permanent contact with water, it is recommended to perform maintenance with **F-600** or **Silicate** hardener, every 2 years.

Characteristics

- Let stand after kneading: 5 min.
- Tolerated maximum thickness: 5 – 10 cm.
- Layer maximum thickness: 5 cm.
- Usage mixture time from 30 to 60 minutes.

*These results are contemplated with 20°C and they can considerably oscillate depending on the ambient temperature.

Performances (12 mm)

- Mixing water (in the laboratory): 17%
- Mass density: 1,890 kg/cm³
- Density of the hardened product: 1,880kg/cm³
- Bending strength: ≥ 4 N/mm²
- Compressive strength: ≥ 15 N/mm²
- Water retention: 97%
- Adhesion on concrete: ≥ 0.80 N/mm²
- Ceramic adhesion: ≥ 0.65 N/mm²
- PH determination: 12.1
- Fire behaviour: A1

**These results can oscillate depending on the workplace conditions.

Enforcements

- Thixotropic mortar for continuous coating, special for ashlar stone, rock, wall... theming.
- Great resistance with salts and durability against outdoors and canalized water.
- Outdoors/indoors.

Supports

- Over metallic mesh and structure, prefabricated elements, brick enclosure, concrete, concrete block...

Recommendations

- Application temperatures from 5 to 35°C.
- The water percentage can oscillate depending on the used mixer.
- During the mortar preparation, use the same water percentage and mixing time to avoid mortar pickups with thicknesses superiors to 5 cm.
- In dark tones, deformations of thermal origin may increase, increasing the risk of appearance problems and possible changes in tone.
- Depending on the desired thickness, place the glass fiber or metal mesh in the coating center.
- In cold weather time, a setting accelerator for mortar can be used **Hormidur SC**.

Execution conditions

- The supports have to be flat, healthy, stable and resistant, without dust, plaster, painting...
- Glass fiber or metallic fiber placement in fissures appearance risk zones.
- In hot weather time and with dry wind, a facing humidification has to be performed before and 24 hours after the coating application, in order to facilitate the mortar cure and avoid the fissures and cracking appearance, as well as the dust zones formation. The higher the temperatures, the more intensity for these phenomena.
- Over smooth facing, with no absorption, use quick primer **F-300** or joining bridge **Ultimate**.
- Avoid coating application with low temperatures, strong humidity, rain or frost. In the hours following the monolayer application increases the efflorescence by carbonation appearance risk.
- Do not apply with strong wind or direct insolation.

Pavistone HD

Thixotropic mortar resistant to salts

Usage way

- **Projected:**

17-19 % water.

- **Manual kneading:**

Mix the contents of the sack (25 kg) with 4 - 5 liters of clean water until a homogeneous mass is achieved.

Mold or sculpt once the mortar starts its setting process to give the desired shape with different tools.

After the sculpt and final setting, it can be pigmented with **Tint to water, Organic dyes...** to obtain the desired effect.

If necessary, apply 1-2 **F-300** coats.

Associated products

*Ultimate

*Water Dye

*Organic dyes

*F-300



Packaging

25 kg sack
1200 kg pallet (48 sack)

Colors

White, grey, beige.
(Others on demand)

Consumption

14–17 kg/m² and cm thickness

Preservation

In closed original container, protected from moisture
and the weather: 1 year

⚠ IMPORTANT

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Pavistone TXT

Moldable thixotropic mortar

Based on hydraulic binders, light loads, water-repellents, resins, and mineral pigments.



Product

- Special theming
- Excellent hardness
- Ideal for projecting machine
- Waterproof and breathable
- Good thixotropy

Observations

- Do not add any other additive to the mortar.
- On metal shapes and frames, the first layer will be denser to facilitate penetration into the holes in the mesh.
- Over old concrete, stone, brick, degraded façades support... it is important to eliminate the existing mortar in its totality, cleaning the support with pressure water or sandblast.
- Works performed in these mortars do not guarantee the water tightness.
- Not fit for frost-thaw exposed surfaces (< 5 °C).

Characteristics

- Let stand after kneading: 5 min.
- Tolerated maximum thickness: 5 – 15 cm.
- Layer maximum thickness: 5 cm.
- Usage mixture time from 30 to 60 minutes.

** These results are contemplated with 20°C and they can considerably oscillate depending on the ambient temperature.*

Performances (12 mm)

- Dust density: 1.2 g/cm³
- Kneading water (in laboratory): 17 %
- Mass density: 1.890 kg/cm³
- Hardened product density: 1.880 kg/cm³
- Bending resistance: ≥ 4 N/mm²
- Compression resistance: ≥ 15 N/mm²
- Water retention: 97 %
- PH Determination: 12.1
- Behavior against fire: A1

***These results can oscillate depending on the workplace conditions.*

Enforcements

- Thixotropic mortar for continuous coating, special for ashlar stone, rock, wall... theming.
- Great resistance and durability against outdoors.
- Outdoors/indoors.

Supports

- Over metallic mesh and structure, prefabricated elements, brick enclosure, concrete, concrete block...

Recommendations

- Application temperatures from 5 to 35°C.
- The water percentage can oscillate depending on the used mixer.
- During the mortar preparation, use the same water percentage and mixing time to avoid mortar pickups with thicknesses superiors to 5 cm.
- In dark tones, deformations of thermal origin may increase,
- increasing the risk of appearance problems and possible changes in tone.
- Depending on the desired thickness, place the glass fiber or metal mesh in the coating center.
- In cold weather time, a setting accelerator for mortar can be used **Hormidur SC**.

Execution conditions

- The supports have to be flat, healthy, stable and resistant, without dust, plaster, painting...
- Glass fiber or metallic fiber placement in fissures appearance risk zones.
- In hot weather time and with dry wind, a facing humidification has to be performed before and 24 hours after the coating application, in order to facilitate the mortar cure and avoid the fissures and cracking appearance, as well as the dust zones formation. The higher the temperatures, the more intensity for these phenomena.
- Over smooth facing, with no absorption, use quick primer **F-300** or joining bridge **Ultimate**.
- Avoid coating application with low temperatures, strong humidity, rain or frost. In the hours following the monolayer application increases the efflorescence by carbonation appearance risk.
- Do not apply with strong wind or direct insolation.

Pavistone TXT

Moldable thixotropic mortar

Usage way



- **Projected with machine:**

Water percentage: 17-19%.

- **Manual kneading:**

Mix sack (25kg) with 4,5 – 5,5 clear water liters until obtaining a homogenous mass.

Mold or sculpt once the mortar starts its setting process to give the desired shape with different tools.



After the sculpt and final setting, it can be pigmented with **Tint** to water, **Organic dyes**... to obtain the desired effect.

If necessary, apply 1-2 **Orfapol colorless** coats.



Associated products

*Ultimate
*Tint to water
*Tint organic
*F-300
*Orfapol colorless



Packaging

25 kg sack
1200 kg pallet (48 sack)

Colors

White, grey, beige.
(Others on demand)

Consumption

14–17 kg/m² and cm thickness

Preservation

In original container closed and protected from weather and humidity: 1 year

⚠ IMPORTANT

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Pavistone

Moldable thixotropic mortar

Based on hydraulic, light loads, water-repellents, resins, and mineral pigments.



Product

- Special theming
- Excellent hardness
- Ideal for projecting machine
- Waterproof and breathable

Observations

- Do not add any other additive to the mortar.
- Over metallic shapes and frames, the first mortar will be denser in order to facilitate the penetration in the mesh orifices.
- Over old concrete, Stone, brick, degraded facades supports... it is important to eliminate the existing mortar in its totality, cleaning the support with pressure water or sandblast.
- Works performed in these mortars do not guarantee the water tightness.
- Not suitable for direct contact with water, or for surfaces exposed to frost-de-icing (<5 °C).

Characteristics

- Let stand after kneading: 5 min.
- Tolerated maximum thickness: 5 – 15 cm.
- Layer maximum thickness: 5 cm.
- Usage mixture time from 30 to 60 minutes.
-

** These results are contemplated with 20°C and they can considerably oscillate depending on the ambient temperature.*

Performances (12mm)

- Kneading water (in laboratory): 17%
- Mass density: 1.890 kg/cm³
- Hardened product density: 1.88 kg/cm³
- Bending resistance: ≥ 4 N/mm²
- Compression resistance: ≥ 15 N/mm²
- Water retention: 97 %
- Elastic module: 10.082 MPa
- PH Determination: 12.1
- Behavior against fire: A1

***These results can oscillate depending on the workplace conditions.*

Enforcements

- Thixotropic mortar in thin layer for continuous coating, special for ashlar stone, rock, wall... theming
- Great resistance and durability against outdoors.
- Outdoors/indoors.

Supports

- Over metallic mesh and structure, prefabricated elements, brick enclosure, concrete, concrete block...

Recommendations

- Application temperatures from 5 to 35°C
- The water percentage can oscillate depending on the used mixer.
- During the mortar preparation, use the same water percentage and mixing time to avoid mortar pickups with thicknesses superiors to 5 cm.
- In dark tones, deformations of thermal origin may increase, increasing the risk of appearance problems and possible changes in tone.
- Depending on the desired thickness, place the glass fiber or metal mesh in the coating center.
- In cold weather time, a setting accelerator for mortar can be used **Hormidur SC**.

Execution conditions

- The supports must be flat, healthy, stable and resistant, without dust, plaster, painting...
- Glass fiber or metallic fiber placement in fissures appearance risk zones.
- In hot weather time and with dry wind, a facing humidification must be performed before and 24 hours after the coating application, to facilitate the mortar cure and avoid the fissures and cracking appearance, as well as the dust zones formation. The higher the temperatures, the more intensity for these phenomena.
- Over smooth facing, with no absorption, use quick primer **F-300** or joining bridge **Ultimate**.
- Avoid coating application with low temperatures, strong humidity, rain, or frost. In the hours following the monolayer application increases the efflorescence by carbonation appearance risk.
- Do not apply with strong wind or direct insolation.

Pavistone

Moldable thixotropic mortar

Usage way



- **Projected with machine:**

17-19% water.

- **Manual kneading:**

Mix sack (25kg.) with 4-5 clear water liters until obtaining a homogenous mass.

Mold or sculpt once the mortar starts its setting process to give the desired shape with different tools.



After the sculpt and final setting, it can be pigmented with **Tint** to water, **Organic dyes**... to obtain the desired effect.

If necessary, apply 1-2 **Orfapol colorless** coats.



Associated products

*Ultimate

*Tint to water

*Tint organic

*F-300

*Orfapol colorles



Packaging

25 kg sack
1200 kg pallet (48 sack).

Colors

White, grey, beige.
(Others on demand)

Consumption

14-17 kg/m² and cm thickness

Preservation

In original container closed and protected from
weather and humidity: 1 year

⚠ IMPORTANT

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Pavistone Fine

Thixotropic malleable mortar in thin layer

Hydraulic bindings base, light loads, water-repellents, resins and mineral pigments.



Product

- Special theme.
- Excellent hardness.
- Ideal for projecting machine.
- Waterproof and breathable.
- Thicknesses until 25 cm.

Observations

- Do not add any other additive to the mortar.
- Over metallic shapes and frames, the first mortar will be denser in order to facilitate the penetration in the mesh orifices.
- Over old concrete, Stone, brick, degraded facades supports... it is important to eliminate the existing mortar in its totality, cleaning the support with pressure water or sandblast.
- Works performed in these mortars do not guarantee the water tightness.
- Not fit for frost-thaw exposed surfaces (< 5 °C).
- On surfaces in permanent contact with water, it is advisable to perform maintenance with **F-600** or **Silicate** hardener, every year.

Characteristics

- Rest time after the kneading: 5 min.
- Tolerated maximum thickness: 5 – 15 cm.
- Layer maximum thickness: 5 cm.
- Usage mixture time from 30 to 60 minutes.
- Dry touch: 4-6 hours

**These results are contemplated with 20°C and they can considerably oscillate depending on the ambient temperature.*

Performances

- Kneading water (in laboratory): 17 %
- Mass density: 1.890 kg/cm³
- Hardened product density: 1.88 kg/cm³
- Bending resistance: ≥ 3.5 N/mm²
- Compression resistance: ≥ 15 N/mm²
- Water retention: 97 %
- Elastic module: 10.082 MPa
- PH Determination: 12.1
- Behavior against fire: A1

***These results can oscillate depending on the workplace conditions.*

Enforcements

- Thixotropic mortar in thin layer for continuous coating, special for ashlar stone, rock, wall... theming.
- Great resistance and durability against outdoors.
- Outdoors/indoors.

Supports

- Over metallic mesh and structure, prefabricated elements, brick enclosure, concrete, concrete block...

Recommendations

- Application temperatures from 5 to 35°C
- The water percentage can oscillate depending on the used mixer.
- During the mortar preparation, use the same water percentage and mixing time in order to avoid mortar pickups with thicknesses superiors to 5 cm.
- In dark tones, deformations and chalking formation can increase.
- Depending on the desired thickness, place the glass fiber or metallic mesh in the coating center.
- In cold weather time, a setting accelerator for mortar can be used **Hormidur sc**.

Execution conditions

- The supports have to be flat, healthy, stable and resistant, without dust, plaster, painting...
- Glass fiber or metallic fiber placement in fissures appearance risk zones.
- In hot weather time and with dry wind, a facing humidification has to be performed before and 24 hours after the coating application, in order to facilitate the mortar cure and avoid the fissures and cracking appearance, as well as the dust zones formation. The higher the temperatures, the more intensity for these phenomena.
- Over smooth facing, with no absorption, use quick primer **F-300** or joining bridge **Ultimate**.
- Avoid coating application with low temperatures, strong humidity, rain or frost. In the hours following the monolayer application increases the efflorescence by carbonation appearance risk.
- Do not apply with strong wind or direct insolation

Pavistone Fine

Thixotropic malleable mortar
in thin layer

Usage way

- **Projected with machine:**
17-19% water.
- **Manual kneading:**
Mix the contents of the bag (25 kg) with 4 - 5 liters of clean water until a homogeneous mass is obtained.

Shape or sculpt once the mortar starts its setting process in order to give the desired shape with different tools.

After the sculpt and final setting, it can be pigmented with **Water-based dyes, Organic Dyes**, in order to obtain the desired effect.

If necessary, apply 1-2 **Orfapol colorless** coats.

Associated products

- *Ultimate
- *Water-based dyes
- *Organic dyes
- *F-300
- *Orfapol colorless



Packaging

25 kg sack
1200 kg pallet (48 sack)

Colors

White, grey, beige
(Others on demand)

Consumption

14–17 kg/m² and cm thickness

Preservation

In sealed original packaging, protected from humidity
and weather: 1 year

⚠ IMPORTANT

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Revex Plus HD

High performances monolayer mortar

White cement, selected arid, organic additives and mineral pigments.



Product

- Resist frost-thaw with salts.
- Ideal for projecting machine.
- Pressed, scraping, troweled finish...
- Waterproof and breathable.
- For new construction

Observations

- Do not add any additive to the mortar.
- Do not apply in surfaces where water can remain stuck.
- Do not apply over facings where filtrations, capillarity water courses or water coating immersion possibility are to be previewed.
- Over mortar, stone, brick, degraded facades... old supports, it is important to eliminate totally the existing mortar, cleaning the support with pressure water or sandblast.
- Do not apply with strong wind as it may alter the setting and possible color change.

Characteristics

- Rest time after the kneading: 5 min.
- Tolerated maximum thickness: 30 mm.
- Layer maximum thickness: 15 mm.
- Minimum thickness after the finish: 12 mm.
- Scraping-troweling time: 4-15 hours.

** These times can considerably oscillate depending on the kind of support and the ambient conditions.*

Performances

- Clasification: OC CSIV W2
- Mixing water in the laboratory: 20%
- Freeze-thaw with salts UNE-EN 1339/ UNE-EN 13748-2: 0.13 kg/m²
- Mass density: 1,900 kg/m³
- Dry bulk density: 1,931 kg/m³
- Bending strength: ≥ 3 N/mm²
- Compressive strength: ≥ 6 N/mm²
- 24-hour water absorption coefficient: 5%
- Water permeability (ml/cm² 48 h) : 0.15
- PH determination: 10 \pm 1
- Behavior on fire: MO (non-combustible)

*** Essays according European norm UNE-EN 9981, these results can oscillate depending on the workplace conditions.*

Enforcements

- Mineral conventional coating for facades, walls... decoration and protection against outdoors.
- Frost-thaw resistant with salts.
- Indoors and outdoors.
- Special for projecting machine.

Supports

- Ceramic brick enclosure, thermal clay, normal concrete, concrete block, conventional mortar...

Recommendations

- Application temperatures from 5 to 30°C.
- The water percentage can oscillate depending on the used mixer.
- To avoid color change, always use the same water percentage. In dark tones, deformations of thermal origin may increase, increasing the risk of appearance problems and possible changes in tone.
- Place the glass fiber or metallic mesh in zones as union between different materials, floor structures, pillars, shutter boxes, frame angles and windows. The mesh must cover for each union side 20 cm. minimum and it has to be placed in the thickness coating center.
- In the cold weather time, the mortar setting accelerator **Hormidur – 100** can be used.

Execution conditions

- The supports must be flat, healthy, stable and resistant, without dust, plaster, painting...
- In the hot weather time and with strong wind, a facing humidification must be performed before and 24 hours after the coating application, to facilitate the monolayer cure and avoid the fissures and cracking appearance as well as the dust zones formation. The higher the temperatures, the more intensity for these phenomena.
- Over smooth facing and with no absorption, concrete walls... use joining bridge **Ultimate**.
- Avoid mortar application with low temperatures, rain risk or frost-thaw possibility. In the hours following the application increases the efflorescence by carbonation appearance risk.
- Do not apply with strong wind or direct insolation.

Revex Plus HD

High performances monolayer mortar

Usage way



- **Manual kneading:**

1 (25kg) sack with 5 – 5,5 water liters until obtaining a homogeneous mass without lumps.



- **Projected:**

20-22 % clean water.

Apply the product until obtaining the desired thickness, minimum 12- 15 mm. and smooth to obtain a good flatness.

- **Scraping finish:**

Scrap with a scraper and brush softly the surface to eliminate the loose particles.



During the setting process, the desired finish will be given, pressed, troweled, cleaned...

Associated products

*Ultimate

*F-300

*Protect Facades-A

*Hormidur-100



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Colors

White - Grey.
(Others on demand)

Consumption

1.6 kg/m² and mm thickness

Preservation

In original container closed and protected from
weather and humidity: 1 year

⚠ IMPORTANT

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Revex Plus

Traditional monolayer mortar

White cement, selected arid, organic additives and mineral pigments.



Product

- Pressed, scraping, troweled finish...
- Waterproof and breathable.
- Good workability.
- For new construction and rehabilitation.
- Ideal for projecting machine.

Observations

- Do not add any additive to the mortar.
- Do not apply in surfaces where water can remain stuck.
- Avoid applying over facings where filtrations, capillarity water courses or water coating immersion possibility are to be previewed.
- Over mortar, stone, brick, degraded facades... old supports, it is important to eliminate totally the existing mortar, cleaning the support with pressure water or sandblast.
- Consumption can oscillate depending on the facing condition and flatness to be.
- Do not apply with strong wind as it may alter the setting and possible color change.

Characteristics

- Rest time after the kneading: 5 min.
- Tolerated maximum thickness: 30 mm.
- Layer maximum thickness: 15 mm.
- Minimum thickness after the finish: 12 mm.
- Scraping time: 4-15 hours.

** These times can considerably oscillate depending on the kind of support and the ambient conditions.*

Performances (12 mm thickness)

- Clasification: OC CSIV W2
- Mixing water in the laboratory: 20%
- Mass density: 1,900 kg/m³
- Dry bulk density: 1,931 kg/m³
- Bending strength: ≥ 3 N/mm²
- Compressive strength: ≥ 6 N/mm²
- 24-hour water absorption coefficient: 5%
- Water permeability (ml/cm² 48 h) : 0.15
- PH determination: 10 \pm 1
- Behavior on fire: MO (non-combustible)

***Essays according European norm UNE-EN 9981, these results can oscillate depending on the workplace conditions.*

Enforcements

- Continuous monolayer coating for decorative finish in façades and protection against outdoors.
- Outdoors and indoors.

Supports

- Ceramic brick enclosure, thermal clay, normal concrete, concrete block, conventional mortar...

Recommendations

- Application temperatures from 5 to 30°C.
- The water percentage can oscillate depending on the used mixer.
- During the mortar preparation, use the same water percentage and mixing time to avoid possible color changes.
- In dark shades can increase deformations of thermal origin, increased risk of appearance problems and as a result, the formation of caleos.
- Place the glass fiber or metallic mesh in zones as union between different materials, floor structures, pillars, shutter boxes, frame angles and windows. The mesh must cover for each union side 20 cm. minimum and it has to be placed in the thickness coating center.
- In the cold weather time, the mortar setting accelerator **Hormidur – 100** can be used.

Execution conditions

- The supports must be flat, healthy, stable and resistant, without dust, plaster, painting...
- In the hot weather time and with strong wind, a facing humidification must be performed before and 24 hours after the coating application, to facilitate the monolayer cure and avoid the fissures and cracking appearance as well as the dust zones formations. The higher the temperatures, the more intensity for these phenomena.
- Over smooth facing or with no absorption, use quick primer **F-300** or joining bridge **Ultimate**.
- Avoid mortar application with low temperatures, rain risk or frost-thaw possibility. In the hours following the application increases the efflorescence by carbonation appearance risk.
- Do not apply with direct insolation.

Revex Plus

Traditional monolayer mortar

Usage way



- **Manual kneading:**
1 (25kg) sack with 5 - 5,5 water liters until obtaining a homogeneous mass without lumps.



- **Projected:**
20 - 22% clean water.

Apply the product until obtaining the desired thickness, minimum 12- 15 mm.
Regularize and smooth to obtain a good flatness.



Scraping finish:
Scrap with a scraper and brush softly the surface to eliminate the loose particles.



Pressed finish:
Project in a drop mode and in the setting process press with a plastic spatula.

Troweled finish:
During the setting process, the desired finish will be given, troweled, cleaned...

Associated products

- *F-300
- *Ultimate
- *Protect Facades: A and S
- *Hormidur-100



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Colors

White and grey
(Others on demand)

Consumption

1.6 kg/m² and mm thickness

Preservation

In original container closed and protected from weather and humidity: 1 year

! IMPORTANT

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Revislant

High performances polymeric mortar for the **Pavitherm System Sate**

Special cement, mineral loadings, resins, fibers and additives.



Product

- Thermal and acoustic isolation system outdoors.
- For the isolation plaques placement and regularization.
- Excellent adherence.
- Armed with fibers.
- Deformable and breathable.

Observations

- Wind causes a lower mortar opening time and involves a lower adherence.
- Do not apply with rain risk, frost-thaw.
- Do not apply over degraded or weak mortars.

Characteristics

- Rest time after the kneading: 5 min.
- Plaque rectification time: 15 min.
- Mass life: 1- 2 hours approximately.
- Thickness per layer: 3- 5 mm.

** These times can considerably oscillate depending on the kind of support and the ambient conditions.*

Performances

- Kneading water (in laboratory): 25%
- Pickup with piece with 10 kg: 0mm
- Adherence concrete support: $\geq 1,5$ MPa
- Adherence ceramic support: ≥ 1 MPa
- Adherence over XPS, EPS: $\geq 0,3$ MPa
- Bending resistance: ≥ 6 N/mm²
- Compression resistance: ≥ 18 N/mm²
- Transversal deformation: 2.8 mm
- Flammability: MO
- Thermal conductivity determination: 0.038W/m·k

***These results are obtained in standard conditions and they can oscillate depending on the workplace conditions.*

Enforcements

- High performance arming mortar with fibers for thermal isolation plaques and support regularization outdoors.
- For reparation and regularization in facades, walls... restoration and new construction.

Supports

- **Pavitherm Sate** System (XPS, EPS...) mortar, concrete block, concrete walls...

Recommendations

- Application temperatures 5-30°C.
- Respect always the same water percentage.
- The water percentage can oscillate depending on the used mixer.
- Over absorbent and dry facings, moisten well before the mortar application.
- The support has to have no irregularities superior than 10 mm with 2m.ruler.
- In rehabilitation workplaces, sanitize all the degraded or loose parts before and replenish with repair mortar **Pavigrout**. Do not apply with strong wind or direct insolation.
-

Execution conditions

- The support has to be resistant, its setting has to be completed, and it has to be without dust, oil, grease...
- Application thickness for the plaque fixation 2-4 mm.
- Thickness for regularization 3- 5 mm per coat.
- The glass fiber mesh will be previewed with a, at least, 10 cm. overlap with the consecutive mesh.

Revislant

High performances polymeric mortar
for the **Pavitherm System Sate**

Usage way

Mix the contents of the sack (25 kg) with 6-7 liters of clean water until you get a homogeneous mass without lumps.

Let stand 5 minutes.



Spread the mortar with toothed trowel (2-3 m2) and glue the plate.



Once the plates have been placed with the joints intercalated and with the dry mortar (24 hours), they will be drilled for the placement of the fixing plug.



After 24 hours approx. the surface will be regulated and then with the fresh paste the mesh will be spread across the entire surface.

Once the surface is dry, a mortar pass will be applied to regularize and cover the visible mesh or some small irregularity.



When the **Revislant** setting is completed, apply the final finish:
*Acrylic mortar **Mortecril**, Micro cement

Associated products

- *Pavi-therm (sate)
- *Mortecril
- *Microcement
- *Os3-board
- *Mineral wool

! IMPORTANT

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REVISLANT

MORTERO POLIMÉRICO DE
ALTAS PRESTACIONES PARA EL
SISTEMA PAVI-THERM SATE

Pavistamp®

Packaging

25 kg sack
1200 kg pallet (48 sacks)

Colors

White and grey

Consumption

Fixation: 4-5 kg/m²
Regularization: 3-5 kg/m²

** These consumptions can oscillate depending on the workplace conditions.*

Preservation

In original container closed and protected from weather and humidity: 1 year.

Revislant Fiber-Reinforced

High performance fiber-reinforced and polymeric mortar for the **Pavitherm Sate System**

Special cement, mineral loadings, resins, fibers and additives.



Product

- Thermal and acoustic isolation system outdoors.
- For the isolation plaques placement and regularization.
- Excellent adherence.
- Armed with fibers.
- Deformable and breathable.

Observations

- Wind causes a lower mortar opening time and involves a lower adherence.
- Do not apply with rain risk, frost-thaw.
- Do not apply over degraded or weak mortars.

Characteristics

- Let stand after kneading: 5 min.
- Plaque rectification time: 15 min.
- Paste life: 1- 2 horas approximately.
- Thickness per layer: 3- 5 mm

** These times can considerably oscillate depending on the kind of support and the ambient conditions.*

Performances

- Kneading water (in laboratory): 25%
- Pickup with piece with 10 kg: 0mm
- Adherence concrete support: $\geq 1,5$ MPa
- Adherence ceramic support: ≥ 1 MPa
- Adherence over XPS, EPS: $\geq 0,3$ MPa
- Bending resistance: ≥ 6 N/mm²
- Compression resistance: ≥ 18 N/mm²
- Transversal deformation: 2.8 mm
- Flammability: MO
- Thermal conductivity determination: 0.038W/m·k

***These results are obtained in standard conditions and they can oscillate depending on the workplace conditions.*

Enforcements

- Polymeric mortar reinforced with fiberglass of high performance for the placement of thermal insulation plates and regularization of the support outdoors.
- For reparation and regularization in façades, walls... restoration and new construction.

Supports

- **Pavitherm Sate** System (XPS, EPS...) mortar, concrete block, concrete walls...

Recommendations

- Application temperatures 5-30°C.
- Respect always the same water percentage.
- The water percentage can oscillate depending on the used mixer.
- Over absorbent and dry facings, moisten well before the mortar application.
- The support must have no irregularities superior to 10 mm with 2m. ruler.
- In rehabilitation workplaces, restore all the degraded or loose parts before and replenish with repair mortar **Pavigrout**.
- Do not apply with strong wind or direct insolation.

Execution conditions

- The support has to be resistant, its setting has to be completed, and it has to be without dust, oil, grease...
- Application thickness for the plaque fixation 2-4 mm.
- Thickness for regularization 3- 5 mm per coat.
- The glass fiber mesh will be previewed with a, at least, 10 cm. overlap with the consecutive mesh.

Revislant Fiber-Reinforced

High performance fiber-reinforced and polymeric mortar for the **Pavitherm Sate System**

Usage way



Mix the contents of the sack (25 kg) with 6-7 liters of clean water until you get a homogeneous mass without lumps.

*Let stand 5 minutes.



Spread the mortar with toothed trowel (2-3 m²) and glue the plate.



Once the plates have been placed with the joints intercalated and with the dry mortar (24 hours), they will be drilled for the placement of the fixing plug.



After 24 hours approx. the surface will be regulated and then with the fresh paste the mesh will be spread across the entire surface.

Once the surface is dry, a mortar pass will be applied to regularize and cover the visible mesh or some small irregularity.



When the **Revislant fiber-reinforced** setting is completed, apply the final finish:

- Acrylic mortar **Mortecril**, Micro cement

Associated products

*Pavi-therm (sate)

*Mortecril

*Microcement



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Colors

White and grey

Consumption

Fixation: 4-5 kg/m²
Regularization: 3-5 kg/m²

** These consumptions can oscillate depending on the workplace conditions.*

Preservation

In original container closed and protected from weather and humidity: 1 year.

! IMPORTANT

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Revistamp-E®

Flexible monolayer lighten mortar

White cement, selected arid, organic additives, mineral pigments and glass fbers.



Product

- Stamping or texture finish.
- System 100% water-repellent.
- Flexible and breathable.
- Good workability.
- For new construction and rehabilitation.
- Ideal for projecting machine.

Observations

- Do not add any additive to the mortar.
- Do not apply in surfaces where water can remain stuck.
- Do not apply over facings where filtrations, capillarity water courses or water coating immersion possibility are to be previewed.
- Over mortar, stone, brick, degraded facades... old supports, it is important to eliminate totally the existing mortar, cleaning the support with pressure water or sandblast.
- Consumption can oscillate depending on the condition and flatness in the facing to be coated.
- Do not apply with strong wind as it may alter the setting and possible color change.

Characteristics

- Rest time after the kneading: 5 min.
- Tolerated maximum thickness: 80 mm.
- Layer maximum thickness: 40 mm.
- Minimum thickness after the stamping: 15 mm.
- Stamping time: 30 -90 minutes.
- Dry to the touch (20 °C): 4 and 6 hours.

**These times can considerably oscillate depending on the kind of support and the ambient conditions.*

Performances (12 mm thickness)

- Dust density: 1.160 kg/m³
- Kneading water (in laboratory): 23%
- Hardened product density: 1370 kg/m³
- Flexural strength: ≥ 3 N / mm²
- Compressive strength: ≥ 6 N / mm²
- Water absorption by capillarity (90 min.): 0.06 kg
- Adhesion on concrete: ≥ 0.85 N / mm²
- Ceramic support adhesion: ≥ 0.80 N / mm²
- Water vapor permeability block support 10mm thick concrete: 0.08ml/cm². 48h
- Water vapor permeability support ceramic 10mm thickness: 0.14ml/cm². 48 h
- Ultraviolet light aging (Grayscale): Class 5
- Determination of the PH: 12.6
- Fire behavior: MO (not combustible)

***Essays according European norm UNE-EN-998-1, these results can oscillate depending on the workplace conditions.*

Enforcements

- Lighten continuous monolayer coating for facade decorative finish and protection against outdoors in outdoors / indoors.

Supports

- Ceramic brick, concrete, concrete block, conventional mortar...

Recommendations

- Application temperatures from 5 to 30°C.
- The water percentage can oscillate depending on the used mixer.
- During the mortar preparation, to avoid possible color changes, use always the same water percentage and mixture time.
- In dark tones, thermic origin deformation, high aspect problems appearance risk and consequently chalking formation can increase.
- Place the glass fiber or metallic glass in zones as different materials unions, floor structures, pillars, shutter boxes, frame angles and windows. The mesh has to cover in each side of the union, at least, 20 cm. being placed in the thickness coating center.
- In the cold weather time, the mortar setting accelerator **Hormidur - 100** can be used.

Execution conditions

- The supports have to be flat, healthy, stable and resistant, without dust, plaster, painting...
- In the hot weather time and with dry wind, a facing humidification has to be performed before and 24 hours after the coating application, in order to facilitate the monolayer cure and avoid the fissures and cracking appearance as well as the dust zones formation. The higher the temperatures, the more intensity for these phenomena.
- Over smooth facing and with no absorption, concrete walls use quick primer **F-300** or joining bridge **Ultimate**.
- Avoid mortar application with low temperatures, rain risk or frost-thaw possibility. In the hours following the application increases the efflorescence by carbonation appearance risk.
- Do not apply **Dyes** during the setting process, rain risk or frost.
- Avoid application with direct insolation

Revistamp-E®

Flexible monolayer lighten mortar

Usage way



- **Projected:**

23 - 24 % clean water.

- **Manual kneading:**

1 (25 kg) sack with 6 – 7 clean water liters, until obtaining a homogeneous mass and



Apply the product until the desired thickness is achieved, minimum 12-15 mm. Regularize and smooth to obtain a good flatness.



Texture or stamping finish:

Between 30 or 90 min. with the mold selected giving the final form. With the mortar dry to the touch, they can be formed joints and / or filled with mortar to give it a real effect.



Once the **Revistamp-E** mortar is dried (>7 days), the **Dye** can be applied to the water.

*Optional: With **Dye (solvent)** from 28 days.

**These times can considerably oscillate depending on the kind of support and the ambient conditions.*

Associated products

*Dye (water)

*Ultimate

*Dye

*Hormidur-100



Packaging

25 kg sack
1200 kg pallet (48 sacks).

Colors

60 colors chart

Consumption

±1.1 kg/m² and mm thickness

Preservation

In original container closed and protected from weather and humidity: 1 year

! IMPORTANT

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Revistamp-P®

Arid monolayer projected mortar

White cement, selected arid, organic additives, mineral pigments.



Observations

- Do not add any additive to the mortar.
- Do not apply in surfaces where water can remain stuck.
- Do not apply over facings where filtrations, capillarity water courses or water coating immersion possibility are to be previewed.
- Over mortar, stone, brick, degraded facades... old supports, it is important to eliminate totally the existing mortar, cleaning the support with pressure water or sandblast.
- Consumption can oscillate depending on the condition and flatness in the facing to be coated.
- Do not apply with strong wind or direct insolation.

Characteristics

- Let stand after kneading: 5 min.
- Tolerated maximum thickness: 30 mm.
- Layer maximum thickness: 15 mm.
- Minimum thickness after the finish: 12 mm.
- Opening time to project the arid: 15- 30 min.

** These times can considerably oscillate depending on the kind of support and the ambient conditions.*

Performances (12 mm)

- Powder density: 1,500 kg / m³
- Kneading water in the laboratory: 24%
- Density of hardened product: 1,580 kg / m³
- Flexural strength (28 days): ≥3 N / mm²
- Compressive strength (28 days): ≥5 N / mm²
- Adhesion: 0.65 N / mm²
- Water permeability: 0.03 ml / cm²
- Determination of the PH: 12.48
- Fire behavior: MO (not combustible)

***These results can oscillate depending on the workplace conditions.*

Enforcements

- Continuous monolayer coating for decorative façade finishing and outdoor / indoor weather protection.

Finishes

- Pressed or smooth indoors.
- With projected arid.

Supports

- Ceramic brick, concrete, concrete block, conventional mortar...

Recommendations

- Application temperatures from 5 to 30°C.
- The water percentage can oscillate depending on the used mixer.
- During the mortar preparation, to avoid possible color changes, use always the same water percentage and mixture time.
- In dark tones, thermic origin deformation, high aspect problems appearance risk and consequently chalking formation can increase.
- Place the glass fiber or metallic glass in zones as different materials unions, floor structures, pillars, shutter boxes, frame angles and windows. The mesh has to cover in each side of the union, at least, 20 cm. being placed in the thickness coating center.
- In the cold weather time, the mortar setting accelerator **Hormidur – 100** can be used.

Execution conditions

- Glass fiber or metallic mesh placement in fissure risk zones.
- The supports have to be flat, healthy, stable and resistant, without dust, plaster, painting ...
- In the hot weather time and with dry wind, a facing humidification has to be performed before and 24 hours after the coating application, in order to facilitate the monolayer cure and avoid the fissures and cracking appearance as well as the dust zones formation. The higher the temperatures, the more intensity for these phenomena.
- Over smooth facing and with no absorption, concrete walls use quick primer **F-300** or joining bridge **Ultimate**.
- Avoid mortar application with low temperatures, rain risk or frost-thaw possibility. In the hours following the application increases the efflorescence by carbonation appearance risk.
- The arid to be projected has to be completely dry.

Revistamp-R®

Lighten monolayer mortar

White cement, selected arid, organic additives, mineral pigments.



Product

- Waterproof to rainwater.
- Lighten and breathable.
- Good workability.
- For new construction and rehabilitation.
- Ideal for projecting machine.

Observations

- Do not add any additive to the mortar.
- Do not apply in surfaces where water can remain stuck.
- Do not apply over facings where filtrations, capillarity water courses or water coating immersion possibility are to be previewed.
- Over mortar, stone, brick, degraded facades... old supports, it is important to eliminate totally the existing mortar, cleaning the support with pressure water or sandblast.
- Consumption can oscillate depending on the condition and flatness in the facing to be coated.
- Do not apply with strong wind as it may alter the setting and possible color change.

Characteristics

- Rest time after the kneading: 5 min.
- Tolerated maximum thickness: 50 mm.
- Layer maximum thickness: 25 mm.
- Minimum thickness after the scraping: 10 mm.
- Scraping time: 4-15 hours.

**These times can considerably oscillate depending on the kind of support and the ambient conditions.*

Performances

- Dust density: 1350 g/cm³
- Kneading water in laboratory: 28%
- Dynamic elasticity module: 7650 MPa
- Flexural strength: ≥ 2.5 N / mm²
- Compressive strength: ≥ 6 N / mm²
- Concrete support adhesion: 0.80 N / mm²
- Ceramic support adhesion: 0.75 N / mm²
- Capillarity absorption: 0.04 kg (m² min. 0.5)
- Water permeability: 0.27 ml / cm². 48 hours
- Determination of the PH: 12.8
- Fire behavior: MO (not combustible)

***Essays according European norm UNE-EN-998-1, these results can oscillate depending on the workplace conditions.*

Enforcements

- Continuous monolayer coating for facade decorative finish and protection against outdoors in outdoors / indoors.
- Scraping, smooth, troweled finish...

Supports

- Ceramic brick, concrete, concrete block, conventional mortar...

Recommendations

- Application temperatures from 5 to 30°C.
- The water percentage can oscillate depending on the used mixer.
- During the mortar preparation, to avoid possible color changes, use always the same water percentage and mixture time.
- In dark tones, thermic origin deformation, high aspect problems appearance risk and consequently chalking formation can increase.
- Place the glass fiber or metallic glass in zones as different materials unions, floor structures, pillars, shutter boxes, frame angles and windows. The mesh has to cover in each side of the union, at least, 20 cm. being placed in the thickness coating center.
- In the cold weather time, the mortar setting accelerator **Hormi-dur-100** can be used.

Execution conditions

- Glass fiber or metallic mesh placement in fissure risk zones.
- The supports have to be flat, healthy, stable and resistant, without dust, plaster, painting ...
- In the hot weather time and with dry wind, a facing humidification has to be performed before and 24 hours after the coating application, in order to facilitate the monolayer cure and avoid the fissures and cracking appearance as well as the dust zones formation. The higher the temperatures, the more intensity for these phenomena.
- Over smooth facing and with no absorption, concrete walls use quick primer **F-300** or joining bridge **Ultimate**.
- Avoid mortar application with low temperatures, rain risk or frost-thaw possibility. In the hours following the application increases the efflorescence by carbonation appearance risk.
- Avoid application with direct insolation.

Revistamp-RF®

High performances monolayer mortar

White cement, selected arid, organic additives, mineral pigments.



Product

- Scraping and troweled finish
- Waterproof to rainwater.
- Lighten and breathable.
- Good workability.
- For new construction and rehabilitation.
- Ideal for projecting machine.

Observations

- Do not add any additive to the mortar.
- Do not apply in surfaces where water can remain stuck.
- Do not apply over facings where filtrations, capillarity water courses or water coating immersion possibility are to be previewed.
- Over mortar, stone, brick, degraded facades... old supports, it is important to eliminate totally the existing mortar, cleaning the support with pressure water or sandblast.
- Consumption can oscillate depending on the condition and flatness in the facing to be coated.
- Do not apply with strong wind as it may alter the setting and possible color change.

Characteristics

- Resting time after mixing: 5 min.
- Maximum thickness tolerated: 40 mm.
- Maximum thickness per layer: 20 mm.
- Minimum thickness after finishing: 12 mm.
- Scraping time: 4-15 hours.

** These times may vary considerably depending on the type of substrate and environmental conditions.*

Performances

- Dust density: 1.350 kg/m³
- Kneading water: 24% (in laboratory)
- Dynamic elasticity module: 6.006 MPa
- Flexural strength: ≥ 2 N / mm²
- Compressive strength: ≥ 5 N / mm²
- Ceramic support adhesion: 0.75 N / mm²
- Capillarity absorption: 0.09 kg (m² min. 0.5)
- Water permeability: 0.35 ml / cm². 48 hours
- Determination of the PH: 12.5
- Fire behavior: MO (not combustible)

***Essays according European norm UNE-EN-998-1, these results can oscillate depending on the workplace conditions.*

Enforcements

- Continuous monolayer coating for facade decorative finish and protection against outdoors.
- In outdoors / indoors.

Supports

- Ceramic brick, concrete, concrete block, conventional mortar...

Recommendations

- Application temperatures from 5 to 30°C.
- The water percentage can oscillate depending on the used mixer.
- During the mortar preparation, to avoid possible color changes, use always the same water percentage and mixture time.
- In dark tones, thermic origin deformation, high aspect problems appearance risk and consequently chalking formation can increase.
- Place the glass fiber or metallic glass in zones as different materials unions, floor structures, pillars, shutter boxes, frame angles and windows. The mesh has to cover in each side of the union, at least, 20 cm. being placed in the thickness coating center.
- In the cold weather time, the mortar setting accelerator **Hormidur - 100** can be used.

Execution conditions

- The supports have to be flat, healthy, stable and resistant, without dust, plaster, painting ...
- In the hot weather time and with dry wind, a facing humidification has to be performed before and 24 hours after the coating application, in order to facilitate the monolayer cure and avoid the fissures and cracking appearance as well as the dust zones formation. The higher the temperatures, the more intensity for these phenomena.
- Over smooth facing and with no absorption, concrete walls... use quick primer **F-300** or joining bridge **Ultimate**.
- Avoid mortar application with low temperatures, rain risk or frost-thaw possibility. In the hours following the application increases the efflorescence by carbonation appearance risk.
- Do not apply with strong wind or direct insolation.

Revistamp-RG®

Monolayer mortar rustic finish

White cement, selected arid, organic additives, mineral pigments.



Product

- Rustic scraping finish.
- Waterproof to rainwater.
- Lighten and breathable.
- Good workability.
- For new construction and rehabilitation.
- Ideal for projecting machine.

Observations

- Do not add any additive to the mortar.
- Avoid apply in surfaces where water can remain stuck.
- Do not apply over facings where filtrations, capillarity water courses or water coating immersion possibility are to be previewed.
- Over mortar, stone, brick, degraded facades... old supports, it is important to eliminate totally the existing mortar, cleaning the support with pressure water or sandblast.
- Consumption can oscillate depending on the condition and flatness in the facing to be coated.
- Do not apply with strong wind as it may alter the setting and possible color change.

Characteristics

- Rest time after the kneading: 5 min.
- Tolerated maximum thickness: 50 mm.
- Layer maximum thickness: 25 mm.
- Minimum thickness after the scraping: 10 mm.
- Scraping time: 4-15 hours.

***These times can considerably oscillate depending on the kind of support and the ambient conditions.*

Performance (12 mm thick)

- Dust density: 1.350 kg/cm³
- Kneading water in laboratory: 28%
- Dynamic elasticity module: 7650 MPa
- Flexural strength: ≥ 2.5 N / mm²
- Compressive strength: ≥ 6 N / mm²
- Concrete support adhesion: 0.80 N / mm²
- Ceramic support adhesion: 0.75 N / mm²
- Capillarity absorption: 0.04 kg (m² min. 0.5)
- Water permeability: 0.27 ml / cm². 48 hours
- Determination of the PH: 12.8
- Fire behavior: MO (not combustible)

*** Tests according to European standard UNE-EN-998-1, these results*

Enforcements

- Continuous monolayer coating for facade decorative finish and protection against outdoors in outdoors / indoors.
- Rustic finish.

Supports

- Ceramic brick, concrete, concrete block, conventional mortar...

Recommendations

- Application temperatures from 5 to 30°C.
- The water percentage can oscillate depending on the used mixer.
- During the mortar preparation, to avoid possible color changes, use always the same water percentage and mixture time.
- In dark tones, thermic origin deformation, high aspect problems appearance risk and consequently chalking formation can increase.
- Place the glass fiber or metallic glass in zones as different materials unions, floor structures, pillars, shutter boxes, frame angles and windows. The mesh has to cover in each side of the union, at least, 20 cm. being placed in the thickness coating center.
- In the cold weather time, the mortar setting accelerator **Hormidur - 100** can be used.

Conditions of execution

- The supports must be flat, healthy, stable and resistant, without dust, plaster, painting...
- Glass fiber or metallic mesh placement in fissure risk zones.
- In the hot weather time and with dry wind, a facing humidification must be performed before and 24 hours after the coating application, to facilitate the monolayer cure and avoid the fissures and cracking appearance as well as the dust zones formation. The higher the temperatures, the more intensity for these phenomena.
- Over smooth facing and with no absorption, concrete walls... use quick primer **F-300** or joining bridge **Ultimate**.
- Avoid mortar application with low temperatures, rain risk or frost-thaw possibility. In the hours following the application increases the efflorescence by carbonation appearance risk.
- Avoid application with direct insolation.

Revistamp Sec 250®

Dry mortar for projection, dry or wet way

Dry mortar, based on white or gray cement, selected aggregates and additives that improve workability, water retention and adhesion.



Product

- Projected micro-gunite
- High mechanical resistance
- Excellent adhesion
- Plasters
- Compatible with all media
- Machine projectable

Observations

- Do not add any additive to the mortar.
- Do not apply in surfaces where water can remain stuck.
- Do not apply over facings where filtrations, capillarity water courses or water coating immersion possibility are to be previewed.
- Over mortar, stone, brick, degraded façades... old supports, it is important to eliminate the existing mortar, cleaning the support with pressure water or sandblast.
- Consumption may vary according to the state and flatness of the wall to be coated.
- Do not apply with strong wind, direct sunlight, ice or thaw

Characteristics

- Resting time after mixing: 5 min.
- Maximum thickness per layer: 15 mm.
- Minimum thickness: 12 mm.
- Open time: 1 - 2 hours.

** These times can considerably oscillate depending on the kind of support and the ambient conditions.*

Performances (12 mm)

- Kneading water in laboratory: 14-17%
- Fresh mortar density: 2037 kg/m³
- Workability time: ≥30 minutes
- Compression resistance: ≥ 25 N/mm²
- Concrete support adhesion: 0.3 Mpa
- Water vapor permeability (G): 15-35
- Capillarity absorption: W0 (W2 on request)
- Behavior against fire: MO (non inflammable)

- **Standard product:** UNE-EN 998-1: GP CSIV W0
- **Product on request:** UNE-EN 998-1: GP CSIV W2

*** Tests according to European standards, these results may vary depending on the conditions of installation.*

Applications

- Dry mortar for general brickwork workplaces, stone masonry, plasters to receive painting, floor screeds, terrazzo pavements, heating floors...
- Improve the traditional mortars characteristics and it can also be used for mechanic projection and allows receiving any kind of termination.

Supports

- Ceramic brick, concrete, concrete block, slope containment, rock retaining.

Recommendations

- Application temperatures from 5 to 30°C.
- The water percentage can oscillate depending on the used mixer.
- During the mortar preparation, to avoid possible color changes, always use the same water percentage and mixture time.
- In dark shades can increase deformations of thermal origin, increased risk of appearance problems and as a result, the formation of caleos.
- Place the glass fiber or metallic glass in zones as different materials unions, floor structures, pillars, shutter boxes, frame angles and windows. The mesh must cover in each side of the union, at least, 20 cm. being placed in the thickness coating center.
- In cold weather, the mortar setting accelerator **Hormidur - SC** (chloride free) can be used.
- Product formulated to additive in heating floors, under the manufacturer recommendations.

Execution conditions

- The supports must be flat, healthy, stable and resistant, without dust, plaster, painting ...
- In the hot weather time and with dry wind, a facing humidification must be performed before and 24 hours after the coating application, to facilitate the monolayer cure and avoid the fissures and cracking appearance as well as the dust zones formation. The higher the temperatures, the more intensity for these phenomena.
- Over smooth facing and with no absorption, concrete walls... use quick primer **F-300** or joining bridge **Ultimate**.
- Avoid mortar application with low temperatures, rain risk or frost-thaw possibility. In the hours following the application increases the efflorescence by carbonation appearance risk.
- Do not apply with strong wind or direct insolation.

Revistamp Sec 250®

Dry mortar for projection, dry or wet way

Usage way

• Projected or manual kneading:

Mix with 14-17% of water until a homogeneous mass without lumps is obtained.

When the mortar is in the setting process, it will be given the desired finish.



Associated products

*F-300

*Ultimate

*Protect facades: A and S

*Hormidur-SC



Packaging

1600 kg big bag

25 kg bag

1200 kg pallet (48 bags)

Colors

Gray

(Others on demand)

Consumption

±18 kg/m² and cm thickness

Preservation

In sealed original packaging, protected from humidity and weather: 1 year

⚠ IMPORTANT

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Revistamp Sec M-120®

Dry mortar ready to use

White or grey cement, selected arid and additives increasing the workability.



Product

- Water-repellent.
- For new construction and rehabilitation
- Plasters and whitewashes
- Stone masonry works
- Projectable with machine

Observations

- Do not add any additive to the mortar.
- Do not apply in surfaces where water can remain stuck.
- Do not apply over facings where filtrations, capillarity water courses or water coating immersion possibility are to be previewed.
- Over mortar, stone, brick, degraded façades... old supports, it is important to eliminate the existing mortar, cleaning the support with pressure water or sandblast.
- Consumption can oscillate depending on the condition and flatness in the facing to be coated.
- Do not apply with strong wind.

Characteristics

- Let stand after kneading: 5 min.
- Tolerated maximum thickness: 40 mm.
- Layer maximum thickness: 15 mm.
- Minimum thickness: 12 mm.
- Opening time: 1 - 2 hours.

***These times can considerably oscillate depending on the kind of support and the ambient condition*

Performance M-120 (12 mm thickness)

- Kneading water in laboratory: 18%
- Fresh mortar density: 2037 kg/m³
- Workability time: ≥30 minutes
- Compression resistance: ≥ 6 N/mm²
- Concrete support adhesion: 0.5 Mpa
- Ceramic support adhesion: 0.5 Mpa
- Water vapor permeability: $\mu = 8.4$
- Capillarity absorption: 0.2 kg/(min²·min^{0.5})
- Behavior against fire: MO (non inflammable)

- **Standard product:** UNE-EN 998-1: GP CSIV W1
- **Product on request:** UNE-EN 998-1: GP CSIV W2

*** Essays according European norm, these results can oscillate depending on the workplace conditions.*

Enforcements

- Dry mortar for general brickwork workplaces, stone masonry, plasters to receive painting, floor screeds, terrazzo pavements, heating floors...
- Improve the traditional mortars characteristics and it can also be used for mechanic projection and allows receiving any kind of termination.

Supports

- Ceramic brick, concrete, concrete block ...

Recommendations

- Application temperatures from 5 to 30°C.
- The water percentage can oscillate depending on the used mixer.
- During the mortar preparation, to avoid possible color changes, always use the same water percentage and mixture time.
- In dark shades can increase deformations of thermal origin, increased risk of appearance problems and as a result, the formation of caleos.
- Place the glass fiber or metallic glass in zones as different materials unions, floor structures, pillars, shutter boxes, frame angles and windows. The mesh must cover in each side of the union, at least, 20 cm. being placed in the thickness coating center.
- In the cold weather time, the mortar setting accelerator **Hormidur - 100** can be used.
- Product formulated to additive in heating floors, under the manufacturer recommendations.

Conditions of execution

- The supports must be flat, healthy, stable and resistant, without dust, plaster, painting ...
- In the hot weather time and with dry wind, a facing humidification must be performed before and 24 hours after the coating application, to facilitate the monolayer cure and avoid the fissures and cracking appearance as well as the dust zones formation. The higher the temperatures, the more intensity for these phenomena.
- Over smooth facing and with no absorption, concrete walls use quick primer **F-300** or joining bridge **Ultimate**.
- Avoid mortar application with low temperatures, rain risk or frost-thaw possibility. In the hours following the application increases the efflorescence by carbonation appearance risk.
- Do not apply with strong wind or direct insolation.

Revistamp Sec M-120®

Dry mortar ready to use

Usage way



- **Manual kneading:**

1 (25kg) sack with 4-5 water liters until obtaining a homogeneous mass without lumps.



- **Projected:**

18-19 % water.



Moisten before and after the mortar application to avoid the fissures or micro fissures appearance.



When the mortar is in its setting process the desired finish will be given.

Associated products

*F-300

*Ultimate

*Protect Facades: A and S

*Hormidur-100



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Colors

White and grey

Consumption

18 kg/m² and mm thickness

Preservation

In closed original container, protected from moisture and the weather: 1 year

⚠ IMPORTANT

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Revistamp Sec MUR®

Hydraulic adhesive mortar

White or grey cement, selected arid and additives increasing the workability.



Product

- For plaques fixation.
- Waterproof and breathable.
- For new construction and rehabilitation.
- Plasters and whitewashes.
- Projected with machine.
- Water-repellent.

Observations

- Do not add any additive to the mortar.
- Do not apply in surfaces where water can remain stuck.
- Do not apply over facings where filtrations, capillarity water courses or water coating immersion possibility are to be previewed.
- Over mortar, stone, brick, degraded facades... old supports, it is important to eliminate totally the existing mortar, cleaning the support with pressure water or sandblast.
- Consumption can oscillate depending on the condition and flatness in the facing to be coated.
- Do not apply with strong wind.

Characteristics

- Rest time after the kneading: 5 min.
- Tolerated maximum thickness: 50 mm.
- Layer maximum thickness: 25 mm.
- Minimum thickness: 10 mm.
- Opening time: 1-2 hours.
- Dry touch: 4-6 hours.

***These times can considerably oscillate depending on the kind of support and the ambient conditions.*

Performances (12 mm thickness)

- Kneading water in laboratory: 18%
- Fresh mortar density: 2037 kg/m³
- Workability time: 175 minutes
- Flexural strength resistance: ≥ 2 N/mm²
- Compression resistance: ≥ 6 N/mm²
- Chlorides: 0.01%
- Classification: W1
- Behavior against fire: MO (non inflammable)

*** These results may vary according to site conditions.*

Enforcements

- Adhesive hydraulic and water-repellent mortar for the isolation plaques placement (glass fiber and rock wool) in ventilated façades, concrete blocks...
- Dry mortar for general brickwork workplaces, stone masonry, plasters to receive painting, floor screeds, terrazzo pavements...
- Improve the traditional mortars characteristics and it can also be used for mechanic projection and allows receiving any kind of finish.

Supports

- Ceramic brick, concrete, concrete block ...

Recommendations

- Application temperatures from 5 to 30°C.
- The water percentage can oscillate depending on the used mixer.
- During the mortar preparation, to avoid possible color changes, use always the same water percentage and mixture time.
- Place the glass fiber or metallic glass in zones as different materials unions, floor structures, pillars, shutter boxes, frame angles and windows. The mesh has to cover in each side of the union, at least, 20 cm. being placed in the thickness coating center.
- In the cold weather time, the mortar setting accelerator **Hormidur - 100** can be used.

Conditions of execution

- Substrates must be flat, sound, stable and resistant, free of dust, plaster and paint.
- In hot weather and with dry wind, a humidification of the facing should be carried out before and 24 hours after the application of the coating, to favor the curing of the mortar and avoid the appearance of cracks and crazing, as well as the formation of dusty areas. The higher the temperature, the more these phenomena are intensified.
- On smooth or non-absorbing surfaces, concrete walls, use **F-300** rapid primer or **Ultimate** bonding bridge.
- Avoid the application of the coating with low temperatures, strong humidity, rain or ice, in the hours that follow after the application of the mortar, it increases the risk of appearance of efflorescence by carbonation.
- Do not apply in strong wind or direct sunlight.

Revistamp Sec MUR®

Hydraulic adhesive mortar

Usage way



Moisten before the mortar application in order to avoid the fissures appearance due to water

- **Manual kneading:**

1 (25kg) sack with 4-5 water liters until obtaining a homogeneous mass without lumps.



- **Projected:**

18-19 % water.

With the mortar still fresh, fix the insulation by simple pressure of the latter ensuring the total fixing of the panels.

Associated products

*F-300

*Ultimate

*Protect facades: A and S

*Hormidur-100



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Colors

White and grey

Consumption

18 kg/m² and cm thickness

Preservation

In closed original container, protected from moisture and the weather: 1 year

⚠ IMPORTANT

The observations and prescriptions of this data sheet, although corresponding to our best experience, should be considered, in any case, purely indicative, and should be tested by exhaustive practical applications; therefore, before using the product, the user must establish whether or not it is suitable for the intended use, and assumes all liability that may arise from its use. Once the product has been handled or applied, the manufacturer shall not assume any claim whatsoever, nor any liability as to the manner, mode and conditions of application.

Revistamp Thermal®

Lightweight mortar for thermal insulation

White cement, selected arid, organic additives, mineral pigments and glass fibers.



Product

- Very lighten.
- Texture finish. With 100% water-repellent dye.
- Flexible and breathable. For new construction and rehabilitation.
- Ideal for projecting machine.

Observations

- Do not add any additive to the mortar.
- Do not apply in surfaces where water can remain stuck.
- Do not apply over facings where filtrations, capillarity water courses or water coating immersion possibility are to be previewed.
- Over mortar, stone, brick, degraded facades... old supports, it is important to eliminate totally the existing mortar, cleaning the support with pressure water or sandblast.
- Consumption can oscillate depending on the condition and flatness in the facing to be coated.
- Do not apply with strong wind as it may alter the setting and possible color change.

Characteristics

- Rest time after the kneading: 5 min.
- Tolerated maximum thickness 40 mm.
- Layer maximum thickness: 20 mm.
- Minimum thickness over plaque: 10 mm.
- Minimum thickness over brick: 12 mm.
- Texture time: 30 -90 minutes.

***These times can considerably oscillate depending on the kind of support and the ambient conditions.*

Performance (12 mm thickness)

- Powder density: 1,360 kg/m³
- Laboratory mixing water: 23%.
- Density of hardened product: 1,370 kg/m³
- Flexural strength: ≥3 N/mm²
- Compressive strength: ≥ 6 N/mm²
- Water absorption by capillary action (90 min.): 0.06 kg
- Adhesion to concrete: ≥ 0.75 N/mm²
- Adhesion to ceramic substrate: ≥ 0.8 N/mm²
- Permeability to water vapor on concrete block support 10 mm thick: 0.08 ml/cm². 48 h.
- Water vapor permeability of ceramic substrate 10 mm thick: 0.14 ml/cm². 48 h.
- Aging ultraviolet light (grayscale): Class 5.
- PH determination: 12.6
- Fire behavior: MO (non combustible)

*** Tests according to European standard UNE-EN-998-1, these results may vary according to the conditions of installation.*

Enforcements

- Lighten, flexible and continuous monolayer coating for the waterproofing, decoration and protection in the outdoors isolation systems.

Supports

- Thermal isolation plaque (**XPS – EPS – Wood fiber...**), ceramic brick, concrete, concrete block, **Revislant** mortar....

Enforcement tips

- Application temperatures from 5 to 30°C.
- The water percentage can oscillate depending on the used mixer.
- During the mortar preparation, to avoid possible color changes, use always the same water percentage and mixture time.
- In dark tones, thermic origin deformation, high aspect problems appearance risk and consequently chalking formation can increase.
- Place the mesh all over the surface in the coating center.
- Do not apply **Dyes** during the setting process, rain risk or frost.
- In the cold weather time, the mortar setting accelerator **Hormidur – 100** can be used.

Conditions of execution

- The supports must be flat, healthy, stable and resistant, free of dust, plaster, paint ...
- Direct application on XPS, EPS, wood fiber, apply the union bridge **Ultimate + Mesh + Ultimate**.
- On **Revislant** mortar, traditional walls, are previously moistened to favor the cure of the mortar and prevent the appearance of cracks, as well as the formation of dusty areas, at higher temperatures these phenomena intensify.
- On walls without absorption, concrete walls ... use fast primer **F-300** or **Ultimate** bonding bridge.
- Avoid the application of the mortar with low temperatures, risk of rain or possibility of ice-thaw, in the hours that follow the application increases the risk of efflorescence from carbonation.
- Avoid application with direct sunstroke.

Revistamp Thermal®

Lightweight mortar for thermal insulation

Usage way



1. Xps, eps plaque.
2. **Revislant** + mesh
3. **Revistamp thermal**

- **Projected:**

± 25% clean water

- **Manual kneading:**

1 (25 kg) sack with 6–7 clean water liters, until obtaining a homogeneous mass and without lumps.

Texture finish: from 30 to 90 min. with the selected mold giving the definitive texture.

Once the **Revistamp thermal** is dry (> 7 days), the **Dye** can be applied to the water.

Optional: With Dye from 28 days.



Associated products

*Pavitherm (sate)

*Ultimate

*Dye (water)

*Hormidur-100

*Dye



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Colors

60 colors chart

Consumption

0.900 kg/m² mm thickness and depending on the support

Preservation

In original container closed and protected from weather and humidity: 1 year

! IMPORTANT

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Stone Feel Facades®

Hi-tech multifunctional mortar
100% recycled aggregates

Formulated with special cement base, recycled aggregates, organic additives, mineral pigments and glass fiber.



Product

- Textured-stamping, smooth, scraping finishes.
- Without mechanical deterioration to -30°C and < 800°C.
- Excellent dimensional stability.
- Good behavior to carbonation.
- Waterproof to rainwater.
- For new construction and rehabilitation.
- Ideal for projecting machine.

Observations

- Do not add any additive to the mortar.
- Do not apply in surfaces where water can remain stuck.
- Do not apply over facings where filtrations, capillarity water courses or water coating immersion possibility are to be previewed.
- Over mortar, stone, brick, degraded facades old supports, it is important to eliminate totally the existing mortar, cleaning the support with pressure water or sandblast.

Characteristics

- Rest time after the kneading: 5 min.
- Tolerated maximum thickness: 50 mm
- Layer maximum thickness: 25 mm
- Minimum thickness over **Revislant**: 5-7 mm.
- Minimum thickness over plaque: 10-12 mm.
- Time to texture: 30 -90 minutes.
- Dry to the touch (20 °C): 4 and 6 hours.

**These times can considerably oscillate depending on the kind of support and the ambient conditions.*

Performances

- Kneading water in laboratory: 21 %
- Adherence thickness from 1 cm: 0.9 Mpa
- Compression resistance (28 days): ≥18 N/mm²
- Bending resistance (28 days): ≥5 N/mm²
- Dimensional stability determination: 0.01%
- Thermal conductivity (10°C): 0,72 W/mK (P=90%)
- Water absorption: < 0,1 kg (m² min⁰⁵).
- Fire loss: >250 °C without mechanic deterioration.
- PH determination: 12.6
- Behavior against fire: A1 euroclass

***Essays according European norm UNE-EN-998-1, these results can oscillate depending on the workplace conditions.*

Enforcements

- **Multifunctional mortar** continuous with high technology 100% recycled aggregates, for facade decorative finish and protection against outdoors in outdoors / indoors.

Finishes

- Textured-stamping, structural thematic rock, smooth, scraping...

Supports

- Thermal isolating plaque (**XPS – EPS – WOOD FIBER...**), ceramic brick, concrete, concrete block, conventional mortar...

Recommendations

- Application temperatures from 5 to 30°C.
- **Over new enclosure, the mortar application will be superior to:**
 - Brick enclosure: > 28 days
 - Concrete block: > 60 days
 - Concrete spilt at the workplace:> 90 days
- During the mortar preparation, to avoid possible color changes, use always the same water percentage and mixture time.
- The water percentage can oscillate depending on the used mixer.
- Place the glass fiber or metallic glass in zones as different materials unions, floor structures, pillars, shutter boxes, frame angles and windows. The mesh has to cover in each side of the union, at least, 20 cm. being placed in the thickness coating center.
- Do not apply with rain risk, snow, strong wind, direct insolation...
- In the strong hot weather time, moisten before and after the mortar application.
- Do not stack up the sacks directly over the floor.

Execution conditions

- The supports have to be flat, healthy, stable and resistant, without dust, plaster, painting.
- Over new mortar, **Stone-Feel** application will be >20 days.
- Respect the mixture and rest time.
- In the hot weather time and with dry wind, a facing humidification has to be performed before and 24 hours after the coating application, in order to facilitate the monolayer cure and avoid the fissures and cracking appearance as well as the dust zones formation. The higher the temperatures, the more intensity for these phenomena.
- Over smooth facing and with no absorption, concrete walls... apply joining bridge **Ultimate**.
- Avoid mortar application with low temperatures, rain risk or frost-thaw possibility. In the hours following the application increases the efflorescence by carbonation appearance risk.
- Do not apply the **Dyes** during the setting process, rain risk or frost.

Tinte water based

Colored consolidator

Consolidator in water spread and special additives, without plasticizers, to consolidate mortars and concretes.



Product

- Water base.
- Excellent adhesion to the mortar.
- Excellent capacity to reinforce and agglutinate friable supports.
- Highlights the color.
- Good behavior against outdoors.
- Silky finish.

Characteristics

- Product ready to use.
- Colored liquid.
- Agglutinate friable supports.
- Highlight the color itself.
- Facilitates a lower dirtiness retention.
- Great absorption capacity.
- Indoors and outdoors.

Performances

- Temperaturas de aplicación: 10- 30 °C
- Contenido en COV's =17g/l
- P.H.: 7.0

Enforcement tips

- The surface to be treated has to be completely dry and with no humidity.
- Shake well the product before application.
- Application with sponge, pistol or brush.
- Avoid a very thick layer as it could deteriorate the final product characteristics.
- With wind or strong hot weather, moisten the surface before applying the product.
- Do not apply with rain risk and frost-thaw.
- Let the product cure from 1-2 hours

Tint (solvent based)

Water-repellent highlights the color

Low consistency paste, formulated with actives principles, solubilized in organic solvent.



Product

- Excellent adhesion to the mortar.
- Highlights the color.
- Good behavior against outdoors.
- Silky finish.

Characteristics

- Coloring to grease.
- Water-repellent and breathable.
- Highlight the color.
- Facilitates a lower dirtiness retention.
- Indoors and outdoors.
- 9 colors chart.

Performances

- Application temperatures: 10–30 °C
- Nonvolatile material: 13 %
- Viscosity: 4140 cPs
- P.H.: 7.5

Enforcement tips

- The surface to be treated has to be completely dry and with no humidity.
- With sponge, pistol or brush.
- Avoid a very thick layer as it could deteriorate the final product characteristics.
- To highlight different tonality aspects or ageing, pass softly a sponge over the on fresh applied paste.
- Over new mortar, its setting has to be completed (≥ 28 days).
- Do not apply with rain risk and frost-thaw.
- Not fit for surfaces exposed to frost-thaw (< 5 °C).
- Do not apply over horizontal facings, with inclination $< 45^\circ$.
- Avoid application with temperatures: $< 5^\circ\text{C}$.

Ultimate

Adhesive for mortars

Copolymer resins, acrylics and organic additives.



Product

- For joining between monolayer mortars, adhesive mortars, plasters...
- For supports without absorption
- Secures the adherence

Observations

- Application temperatures: 5- 30°C
- Do not apply over disaggregating concrete or mortar.
- Do not apply over wet supports or with humidity excess.
- Avoid contact with the skin, use gloves and protection glasses.
- Does not contain aggressive elements.

Performances

- Specific weight: 1.06 kg/l
- Solids contents: 55 %
- PH: 6.5 – 7
- Viscosity: 500 – 2000 c.Poises
- Dry touch: 3 – 4 hours

Enforcements

- Adherence primer over supports without absorption.
- Adhesive mortar.
- Monolayers and conventional mortar.
- Over concrete walls and pillars.

Supports

- Mortar, concrete, resistant painting, wood.

Recommendations

- The surface must be clean, solid, without dust and without bad adhered parts.
- **Ultimate** is not conceived to secure the water tightness of supports affected by water or wet.

Ultimate

Joining bridge adhesive

Usage way

- Dilute with water (1 to 1 of product).
- Shake well the product (not by mechanic mean) before applying.
- Apply with wool roller, brush..., forming a continuous and uniform layer without leaving the product ponded as it would lose its performances, it would hinder the adherence of the mortar and the fissures formation.
- Let it cure the product minimum 48 hours, before applying the definitive covering.

** Once it is cured the product, the adhesive properties are kept during some days.*

*** These times can oscillate depending on the ambient temperature.*

Associated products

*Green line facades

*Monolayer mortars



Packaging

15-liters drum
480 liters pallet (24 drums)

Colors

Milky white

Consumption

0.050 – 0.2 liters/m2 approximately
(depending on the support)

Preservation

In the closed original container and sheltered from
outdoors and humidity: 1 year

⚠ IMPORTANT

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Activa Products

Range of eco-active photocatalytic coatings with anti-pollution, self-cleaning and bactericidal properties that guarantee perfect adhesion to any type of surface, indoors and outdoors. It eliminates toxic pollutants from the air, reduces the presence of microorganisms, eliminates dirt and odors, with a feeling of breathing fresh air. They are easy to apply, breathable and elastic.

It arises from a natural phenomenon called photocatalysis in which a substance, from the use of light and air energy, activates an oxidation process that eliminates polluting and harmful organic and inorganic compounds. Through these products we protect and improve the environment.

Photocatalytic surfaces prevent the growth of microorganisms and do not allow the substances on which they feed to accumulate. They are therefore very effective against the aggressions of bacteria and fungi in general. On the outside of homes, they act as a cleaning shield to prevent the entry of dirty air into the interior.

The results of this action are supported by numerous measurements taken on the walls of schools, hospitals and food factories, and by the results obtained in specialized laboratories.

3C Photocatalytic Pavement

Photocatalytic mortar in cement base for pavement finish



Product

- Eliminate pollution.
- Avoid fungi and bacteria growth.
- Eliminate odors in the air.
- Enable families to live in a healthy environment.
- Reduces the environment temperature due to its clear colors and porosity.

Photocatalysis

- It is a technology analogous to photovoltaic solar panels.
- It uses light energy to destroy pollutants produced by automobiles and industries, which affect people's health and pollute the environment.
- It does not require maintenance, and its effect is permanent.
- It is a clean technology.
- Not only does it not pollute, but it cleans the polluted air.
- It is the only environmental technology in which the first beneficiary is the user.
- Saves costs as the walls remain clean for many years.
- Destroys dirt and prevents the growth of microorganisms.

Technical characteristics

- Three component photocatalytic mortar for pavement preparation in order to environmentally improve the urban ambient.
- Appearance:
 - A) Thin dust
 - B) Resins dispersion
 - C) Photoactiva S. Photocatalytic Emulsion
- Mixture density 1,2 kg/l
- Yield:
 - **Mixture 1.5-3.5 (2mm) Kg/m²
 - *Dust 1.0-2.3 kg/m²
 - *Resin 0.5-1.2 Kg/m²
 - **PhotoActiva S 0.1 Kg/m²
- Application time 2 hours
- Dry touch 5-7 hours with 25 oC
- Maximum thickness per layer 1 mm
- Cured time 48 hours (20oC)
- Adherence EN1015/12 0.98 N/mm²
- Water absorption 0.004 g/cm²
- Frost thaw 0.1 Kg/cm²

* Contains recycled material. Careful with the environment.

Results

- **Essays according ISO 22197-1 performed over our finish show an average elimination ability of 2620 µmol NO_x/m².**



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DE VALÈNCIA

Applications

- Use in areas with polluted air, in buildings and areas sensitive to people's health: streets, walkways, bike paths, parks and gardens, public areas and sports areas.
- Superb finish for all types of pavements.

Finishes

- Smooth or rough.

Thicknesses

- Recommended: 2 mm.

Recommendations

- Application temperatures 5°C to 30°C.
- The percentage of water may vary according to the mixer used.
- The substrate must be clean of efflorescence, grease, dust or loose elements, and must be sufficiently resistant to withstand the expected traffic.
- Do not apply if heavy rain is expected in the next 24 hours.
- Avoid application in strong wind, rainy or very humid weather, with risk of frost or direct sunlight.

3C Photocatalytic Pavement

Photocatalytic mortar in cement base for pavement finish

Application way

1. Colored flexible surface application

3C Photocatalytic Pavement does not need water. It is mixed the component A (dust) with the component B (resin) in a proportion from 2 Kg to 1 Kg respectively, using low speed electric mixers, until obtaining a homogeneous paste. Over clean, compact and porous surfaces, it is recommended to humidify correctly the application support before the application.

Over surfaces where adherence problems are previewed and particularly over surfaces with asphalt, it is required to apply a **Primer 3C** layer diluted 1:4 with water, after having prepared conveniently the surfaces opening porous.

3C Photocatalytic Pavement is applied in two layers with 1 mm each one, compacting each layer conveniently. The support must be clean from efflorescence, greases, dust or loose elements and has to be sufficiently resistant to support the previewed traffic. Avoid application with very elevated temperatures or if it is sunny or in case of frost. Let it cure 48 hours (with 20 °C)

3C Photocatalytic Pavement requires humidity for its correct cured process. If the surfaces are dried very quickly or the weather is very hot or dry, it is recommended to give humidity during the cured process. Final recommended thickness is 2 mm.

Although the product has a magnificence adherence over most of the supports, it is recommended to make tests before the definitive application. Expansion joints on the support layer must be respected .

3C Photocatalytic Pavement can be left in a smooth or wrinkled finish.

2. High efficiency photocatalytic finish

Once the flexible colored surface has been applied and before being cured, when it is still fresh, the third component is applied **PhotoActiva S**, with pistol, in a dosage from 100 gr /m2.

Improving thus the cured characteristics, and giving the photocatalytic characteristics to the pavement converting the system to three components,

3C Photocatalytic Pavement, in a powerful environment improvement and health protection

PhotoActiva S contribute to the correct pavement cure process

Photocatalysis is a surface activity. Particles receiving light are the only ones active.



Packaging

Dust sacks 25 Kg
Resin containers 25 Kg
PhotoActiva 10 liters tanks

Color

According to demand
(available 56 colors)

Consumption

Mixture 1.5-3.5 (2mm) Kg/m2
Dust 1.0-2.3 kg/m2
Resin 0.5-1.2 Kg/m2
PhotoActiva S 0.1 Kg/m2

Conservation

In sealed original packaging, protected from weather and humidity: 1 year

⚠ IMPORTANT

All data given in our technical information and recommendations are based on our experience, technical knowledge, and practice, under established job and test conditions. Customer must check consumptions and suitability under his particular job conditions, by previously testing it. Active can provide technical assessment if required. We guarantee the quality in case of production defects of our products, excluding further claims. Our responsibility is limited to the value of the goods supplied. That technical data sheet is valid until next edition is issued

3C Stucco Photocatalytic

Photocatalytic mortar finish

With surface activity enhancers in the UVA- Visible range, based on EPS technology.



Product

- Eliminate pollution.
- Avoid fungi and bacteria growth.
- Eliminate odors in the air.
- Enable families to live in a healthy environment.
- Reduces the environment temperature due to its clear colors and porosity.

Photocatalysis

- It is a technology analogous to photovoltaic solar panels.
- It uses light energy to destroy pollutants produced by automobiles and industries, which affect people's health and pollute the environment.
- It does not require maintenance, and its effect is permanent.
- It is a clean technology.
- Not only does it not pollute, but it cleans the polluted air.
- It is the only environmental technology in which the first beneficiary is the user.
- Saves costs as the walls remain clean for many years.
- Destroys dirt and prevents the growth of microorganisms.

Technical characteristics

- Three component photocatalytic mortar for facades finish and to environmentally improve the urban ambient.
- Appearance:
 - A) Thin dust
 - B) Resins dispersion
 - C) Photoactiva S. Emulsion Photocatalytic
- Mixture density 1,2 kg/l
- Yield:
 - **Mixture 1.5-3.5 (2mm) Kg/m2
 - *Dust 1.0-2.3 kg/m2
 - *Resin 0.5-1.2 Kg/m2
 - **PhotoActiva S 0.1 Kg/m2
- Application time 2 hours
- Dry touch 5-7 hours with 25 oC
- Maximum thickness per layer 1 mm
- Cured time 48 hours (20oC)
- Adherence EN1015/12 0.98 N/mm2
- Water absorption 0.004 g/cm2
- Frost thaw 0.1 Kg/cm2

* Contains recycled material. Careful with the environment.

Results

- **Essays according ISO 22197-1 performed over our finish show an average elimination ability of 2620 µmol NOx/m2**



3C Stucco Photocatalytic

Contains photocatalytic elements distributed in a homogeneous way on the surface and anchored to it, improving its air cleaning capacities. It is presented in different colors, and it is a magnificent finish for all kind of façades, such as buildings, schools, hospitals, kindergartens or parks improving the air quality and the ambient temperature

Applications

- Use in areas with polluted air, in buildings and areas sensitive to people's health: homes, public buildings, commercial areas, schools, hospitals, sports centers.
- Superb finish for all types of facades, such as buildings, schools, hospitals, kindergartens, gardens or parks, improving air quality and ambient temperature.

Finishes

- Fine or rough.

Thicknesses

- Recommended: 2 mm.

Recommendations

- Application temperatures 5°C to 30°C.
- The percentage of water may vary according to the mixer used.
- The substrate must be clean of efflorescence, grease, dust or loose elements, and must be sufficiently resistant to withstand the expected traffic.
- Do not apply if heavy rain is expected in the next 24 hours.
- Avoid application in strong wind, rainy or very humid weather, with risk of frost or direct sunlight.

Important

- Photocatalysis is a surface activity. Only particles that receive light are active.

3C Stucco Photocatalytic

Photocatalytic mortar finish

Application

1. Flexible surfaces, resistant and fresher

3C Stucco Photocatalytic does not require water addition. Dust is mixed with resin in a proportion from 2 kg dust and 1 kg resin. It is mixed mechanically at low speed until obtaining a homogeneous mixture. It is required to humidify the surfaces before the product application.

3C Stucco Photocatalytic is applied in two coats with maximum 1 mm each one, over clean, smooth and without greases, efflorescence, or loose elements surfaces. Application should be avoided in high temperature moments or directly under the sun, to avoid a too quick dryness. 48 hours are required for a correct cured process with 20 °C.

3C Stucco Photocatalytic requires humidity to cure correctly. If the surface gets dry too quickly or the weather is dry and hot, it is recommended to humidify after the application. Recommended final thickness is 2 mm. Although the product presents an elevated adherence over most of the substrates, it is recommended to make test before its application. The primer **Stucco Primer** is recommended in cases in which adherence problems are to be previewed.

It is recommended to respect the substrate expansion joints.

3C Stucco Photocatalytic can have thin and wrinkled finish

2. High efficiency photocatalytic finish

Once the flexible, resistant and fresh layer has been applied, before the cured process, while it is fresh, the third component, **PhotoActiva S** is applied with a spray, a dose of 100 g/m², giving photocatalytic properties to the finish and converting it into a magnificent environment and healthy tool.

PhotoActiva S contributes to the correct cured process from **3C Stucco Photocatalytic**.

Photocatalysis is a superficial activity. Only illuminated surfaces are actives.



Packaging

Dust sacks 25 Kg
Resin containers 25 Kg
PhotoActiva 10 liters tanks

Colors

Depending on demand
(56 colors available)

Consumption

**Mixture 1.5-3.5 (2mm) Kg/m²
*Powder 1.0-2.3 kg/m²
*Resin 0.5-1.2 Kg/m²
**PhotoActiva S 0.1 Kg/m²

Conservation

In sealed original packaging, protected from weather and humidity: 1 year

! IMPORTANT

All data given in our technical information and recommendations are based on our experience, technical knowledge, and practice, under established job and test conditions. Customer must check consumptions and suitability under his particular job conditions, by previously testing it. Active can provide technical assessment if required. We guarantee the quality in case of production defects of our products, excluding further claims. Our responsibility is limited to the value of the goods supplied. That technical data sheet is valid until next edition is issued.

Quartz FC

Photocatalytic mixture for industrial and civil floors finish



Product

- Eliminates air pollution produced by automobiles, industries, or other activities.
- Prevents walls and floors from getting dirty.
- Prevents the growth of fungi and bacteria.
- Eliminates odors in the air.
- Improves people's quality of life.
- Contributes to the recovery and improvement of contaminated environments.

Photocatalysis

- It is a technology analogous to photovoltaic solar panels.
- It uses light energy to destroy pollutants produced by automobiles and industries, which affect people's health and pollute the environment.
- It does not require maintenance, and its effect is permanent.
- It is a clean technology.
- Not only does it not pollute, but it cleans the polluted air.
- It is the only environmental technology in which the first beneficiary is the user.
- Saves costs as the walls remain clean for many years.
- Destroys dirt and prevents the growth of microorganisms.

Technical characteristics

- Non inflammable dust
- Dry density 1.8 kgm/liter
- Expiration 6 months
- Store in dry and covered places
- Color depending on the order
- Packaged in 25 Kgm sacks
- Mixture with water duration (25°C 60%HR), 60 min
- Dosage 3-4 Kgm/m²
- Adherence to 28 days, 2.5 Mpa
- Application temperature between 5°C to 30°C

****Quartz FC. Mixture of photocatalytic additives, quartz, pigments and cement, with activity promoters in the UVA- Visible range, for high performances photocatalytic and mechanical concrete pavements confection.***

Applications

- Use for the realization of concrete pavements, indoor and outdoor, in areas with air pollution, or in buildings, industries or cities sensitive to people's health.
- Bicycle lanes, parking lots and streets, shopping centers, industrial buildings and factories, pedestrian areas and sidewalks, gardens and courtyards, schools and kindergartens, hospitals, public buildings.

Quartz FC

Photocatalytic mixture for industrial and civil floors finish

Application way

Quartz FC is used in dust, distributed over fresh concrete, in three layers, each one with 1/3 dosage.

As soon as the first layer is distributed and humidified over the concrete, the second layer is applied in a cross way to the first and afterwards the third one in a diagonal way, distributing and compacting them afterwards with mechanical media.

It is necessary to keep surface concrete humidity during a week to ensure the correct cured process, and before performing the joints cuts.



Presentation

Packaged in 25 Kg sacks

Colors

Depending on the order

Consumption

3-4 Kgm/m²

Conservation

In sealed original packaging, protected from weather and humidity: 6 months

⚠ IMPORTANT

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Photo-Activa S

Invisible photocatalytic treatment for porous surfaces protection



Product

- Removes contaminants from the air.
- Keeps surfaces of buildings and monuments clean.
- Prevents surfaces from getting dirty (stone, concrete, brick...).
- Eliminates the aggressions of air pollutants.
- Reduces maintenance costs on facades and monuments.

Photocatalysis

- It is a technology analogous to photovoltaic solar panels.
- It uses light energy to destroy pollutants produced by automobiles and industries, which affect people's health and pollute the environment.
- It does not require maintenance, and its effect is permanent.
- It is a clean technology.
- Not only does it not pollute, but it cleans the polluted air.
- It saves costs since the walls remain clean for many years.
- It destroys dirt and prevents the growth of microorganisms.

Photocatalysis requires enough energy light. Solar light, fluorescent or incandescent are in this order, adequate for surface activation.

Technical characteristics

- Non inflammable
- It does not form film
- Breathable
- Elevated adherence to porous substrates
- Yield: 5-10 m²/lit applied with pistol
- Application temperature between 5°C and 35°C
- Store in protected against frost places

**** PhotoActiva S: Aqueous dispersion of photo-catalysts in sol form, with activity enhancers for UVA-Visible range light, and improved adhesion on porous inorganic surfaces.***

Results

- Essays according ISO 22197-1 performed over our finish show an average elimination ability of 2620 µmol NOx/m².



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Photo-Activa S

Invisible photocatalytic treatment for porous surfaces protection

Application way

Photo-Activa S is applied with low-pressure pistol, with open mouthpiece. Avoiding accumulation and drops formation.

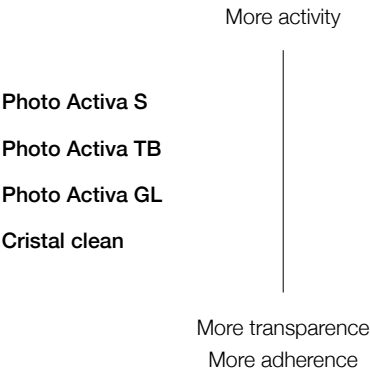
Surfaces to protect have to be clean and dry at the application moment. It is recommended an application in a unique coat, with 100-200 gr/m2

Photo-Activa S not making a film. Once it is dry, it does not modify the substrate appearance.

Photo-Activa S is applied mainly over mineral porous surfaces (natural stone, concrete, prefabricated, mortars, seen workplace, etc...).

Photo-Activa S can degrade some pigments that are not enough light resistant.

Photo-Activa S, depending on dosage, it can modify the surface tone over the application.



Consumption

5-10 m2/lt spray applied

Conservation

In original closed container, protected from freezing: 6 months

⚠ IMPORTANT

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Photo-Activa TB

Invisible photocatalytic treatment for wall and monument protection



Product

- Removes contaminants from the air.
- Keeps surfaces of buildings and monuments clean.
- Prevents surfaces from getting dirty (stone, concrete, brick...).
- Eliminates the aggressions of air pollutants.
- Reduces maintenance costs on facades and monuments.

Photocatalysis

- It is a technology analogous to photovoltaic solar panels.
- It uses light energy to destroy pollutants produced by automobiles and industries, which affect people's health and pollute the environment.
- It does not require maintenance, and its effect is permanent.
- It is a clean technology.
- Not only does it not pollute, but it cleans the polluted air.
- It saves costs since the walls remain clean for many years.
- It destroys dirt and prevents the growth of microorganisms.

Photo Activa TB. Water dispersion of photo catalysts as sun, with activity promotor in the UVA- Visible range, and improved adherence over inorganic porous surfaces.

Technical characteristics

- Non inflammable
- It does not form film
- Breathable
- Elevated adherence to mineral substrates
- Yield: 5-10 m²/lt applied with pistol
- Application temperature between 5°C and 35°C
- Store in protected against frost places

*** Photo Activa TB. Aqueous dispersion of photo-catalysts in sol form, with activity enhancers for light in the UVA-Visible range, and improved adhesion on inorganic surfaces of limited porosity.**

Results

- Essays according ISO 22197-1 performed in the CSIC, shows a **78% elimination ability of the pollutants measured: 234 µg NO/m².h using natural light.**



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Applications

- Use for exterior protection of surfaces subjected to the aggression of pollutants produced by traffic and industries.
- Use in areas of polluted air, in buildings and monuments that are soiled by this cause: stone facades, exposed brick, concrete and prefabricated, historic buildings, monuments, painted walls in areas of high pollution.

Photo-Activa TB

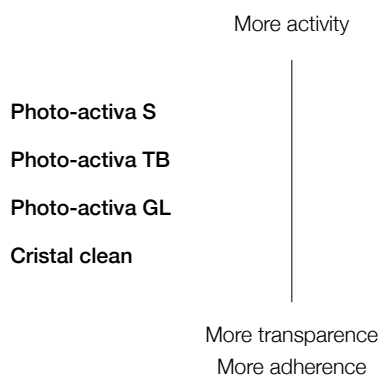
Invisible photocatalytic treatment for wall and monument protection

Application way

Photo-Activa TB is applied with low-pressure pistol, with open mouthpiece open 0.5 mm. Avoiding accumulation and drops formation. Surfaces to protect have to be clean and dry at the application moment. It is recommended an application in a unique coat, with 100-200 gr/m2.

Photo-Activa TB not making a film. Once it is dry, it does not modify the substrate appearance.

Photo-Activa TB is applied mainly over mineral porous surfaces (natural stone, concrete, prefabricated, mortars, seen workplace, etc..). The active particles are incorporated and remain in the surfaces thanks to silicate base bindings.



Consumption

5-10 m2/lt spray applied.

Conservation

In original closed container, sheltered from strong frost.

⚠ IMPORTANT

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Photo Crete

Photocatalytic protection for concrete and mortar surfaces



Product

- **Photo-Crete** activated walls use light energy to destroy air pollutants.
- Eliminates pollution in and around facades.
- Prevents walls and walls from becoming dirty.
- Prevents the growth of fungi and bacteria.
- Eliminates odors in the air.

Photocatalysis

- It is a technology analogous to photovoltaic solar panels.
- It uses light energy to destroy pollutants produced by automobiles and industries, which affect people's health and pollute the environment.
- It does not require maintenance, and its effect is permanent.
- It is a clean technology.
- Not only does it not pollute, but it cleans the polluted air.
- It saves costs since the walls remain clean for many years.
- It destroys dirt and prevents the growth of microorganisms.

Technical characteristics

- Density: 1.64 Kg/l
- Non inflammable
- Permeable to water steam
- Touch dry to 25°C: from 30 to 40 min
- Hands dry, from 6 to 8 hours, depending to temperature and humidity conditions
- Approximated yield: 6 m²/l in two coats
- Colors. See color chart
- Product can be colored only **with inorganic pigments**
- Application temperature: from 5°C and 35°C
- Store it in places protected from frost

Results

- **Essays performed with our paintings at**



shows a 91 % average elimination ability of the polluters measured, in reference to the contaminated air in a city exceeding the legal pollution limits.

Applications

- For the protection of reinforced concrete structures or any other surface subjected to carbonation processes.
- Use in areas with polluted air and in buildings sensitive to people's health: retaining walls, bridges, viaducts and tunnels, urban structures, facades and prefabricated buildings.

Photo Crete

Photocatalytic protection for concrete
and mortar surfaces

Application way

Photo-Crete is applied in two coats, by spray, roller or brush, on clean and dry walls, free of grease and loose elements, and without cracks, fissures or cracks, and allowing to dry between one coat and the next. To achieve an adequate protection of the concrete, according to UNE EN 1602-6 2003, the primer must be applied and a minimum film thickness of 40 microns must be ensured.

In case the surface is not in perfect conditions of adherence, and to obtain a correct protection, it is recommended to apply previously a coat of

Photo-Deco primer.

** **Photo-Crete: High performance photocatalytic covering for concrete and mortars protection. It contains light boosters in the UVA-visible range, based on the EPS Technology.***



Consumption

6 m²/l in two coats

Conservation

In original closed container in a place protected from frost

⚠ IMPORTANT

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Photo Silicate

Photocatalytic covering for outdoor and indoor potassium silicate base



Product

- The activated walls with **Photo-Silicate** use light energy to destroy the air pollutants. Thus:
- Eliminates pollution in and around facades.
- Prevents walls and walls from becoming dirty.
- Prevents the growth of fungi and bacteria.
- Eliminates odors in the air.
- Enable to create

Photocatalysis

- It is a technology analogous to photovoltaic solar panels.
- It uses light energy to destroy pollutants produced by automobiles and industries, which affect people's health and pollute the environment.
- It does not require maintenance, and its effect is permanent.
- It is a clean technology.
- Not only does it not pollute, but it cleans the polluted air.
- It saves costs since the walls remain clean for many years.
- It destroys dirt and prevents the growth of microorganisms.

Technical characteristics

- Density: 1.43 Kg/l
- Non inflammable
- Water steam permeable
- Dry touch 25°C: from 30 to 40 min
- Yield: approx. 6 m²/l in two coats depending on the substrate
- Colors. see colors chart
- Application temperatures between 5°C and 35°C
- Store it in protected from frost places

*** Photo-Silicate: Photocatalytic covering with high performance in potassium silicate base for façades and building interiors. It contains light boosters in the UVA-visible range, based on the EPS Technology**

Results

- **Essays over our painting at shows a 91% average elimination ability of the pollutants measured, in reference to the contaminated air in a city exceeding the pollution legal limits**



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Applications

- **Photo-Silicate** can be used on any mineral, cement, concrete or plaster surface, as well as for the restoration of surfaces in poor condition. A wide range of colors is available to create clean, modern and elegant environments. It does not create a film, so it is completely breathable, and avoids peeling or flaking, ensuring a long life. It is used in areas where the air is polluted and in buildings sensitive to human health: facades and walls of historical buildings.
- It is used in areas where the air is polluted and in buildings sensitive to human health: facades and walls of historical buildings, modern housing, buildings in urban centers with high pollution, concrete structures, tunnels and galleries, mineral surfaces requiring high breathability.

Photo Silicate

Photocatalytic covering for outdoor and indoor potassium silicate base

Application way

Photo-Silicate is presented ready for its application. It is recommended to homogenize before its application.

Do not dilute with water. In case of desiring the first coat of **Photo-Silicate**, you can add until a 15 % of **Photo-Silicate Primer**, (ready to use, that means, once diluted **Photo-Silicate Primer** with water 1:1)

Photo-Silicate should be applied over substrate of mineral kind or over lime or old silicate painting that has to be firm and clean and absorbent and free from efflorescence. **Photo-Silicate** is applied with brush or roller **Photo-Silicate Primer**.

*NOTE: Do not apply **Photo-Silicate** in quick dryness conditions or in windy or strong insolation conditions. Do not apply also with temperatures exceeding 35°C, that can stop its correct cured and alter its appearance. In case of rain before its cure, stains can appear that can only be eliminated by neutralization and next repainting.*



Color

Color chart

Consumption

Approx. 6 m²/l in two coats depending on the substrate

Conservation

In original closed container in a place protected from frost.

⚠ IMPORTANT

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Photo-Siloxane

Photocatalytic covering for indoors and outdoors housing



Product

- Eliminate contamination on walls, walls, facades and inside homes.
- Prevent surfaces from getting dirty.
- Reduce maintenance costs.
- Prevent the growth of fungi and bacteria.
- Eliminate odors in the air.
- Improve the quality of the environment for people.

Photocatalysis

- It is a technology analogous to photovoltaic solar panels. It uses light energy to destroy pollutants produced by automobiles and industries, which affect people's health and pollute the environment.
- It does not require maintenance, and its effect is permanent.
- It is a clean technology.
- Not only does it not pollute, but it cleans the polluted air.
- It saves costs since the walls remain clean for many years.
- It destroys dirt and prevents the growth of microorganisms.

Technical characteristics

- Density: 1.48 Kg/l
- Non inflammable
- Permeable to water steam
- Excellent barrier against CO2
- Dry touch to 25°C: from 30 to 40 min
- Time between coats around 8-12 hours
- Yield: 3-6 m2/l in two coats, depending on the kind of support
- Colors. See color chart
- Application temperature between 5°C and 35°C
- Store it in protected from frost places

Results

- **Essays performed over painting at**



shows an average 91 % elimination ability of the pollutants measured, with reference to the contaminated air in a city exceeding the legal pollution limits

Applications

- Use for wall and wall decoration.
- A wide range of colors is available to create clean air, modern and elegant environments.
- Use in areas with polluted air, in buildings and facilities sensitive to people's health: schools and kindergartens, hospitals, light-colored buildings and public buildings.

Photo-Siloxane

Photocatalytic covering for indoors
and outdoors housing

Application way

Apply in two coats, by roller or brush, on clean and dry walls.
Allow to dry between one coat and the next.

Walls must be solid and consistent, free of loose materials, grease or non-stick materials.

It is recommended to check the adhesion on non-porous surfaces or where it is expected that adhesion may be limited. In case the surface is not in perfect conditions, it is recommended to apply previously a coat of

Photo-Siloxane Primer.

Also, the use of **Photo-Siloxane Primer** reduces the consumption of **Photo-Siloxane Primer**, accelerates the application of the finish coats and improves the quality of the finish coats.

** **Photo-Siloxane: High performance photocatalytic coating for facades and building interiors. Contains photocatalytic activity enhancers in the UVA Visible range, based on EPS technology.***



Colors

Colors chart

Consumption

3-6 m²/l in two coats
(depending on the type of surface).

Conservation

In original closed container, sheltered from strong frost.

⚠ IMPORTANT

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Photo-Siloxane Primer

Fixer and insulating primer for supports in which Photo-Siloxane should be applied



Product

- Eliminate contamination on walls, walls, facades and inside homes.
- Prevent surfaces from getting dirty.
- Reduce maintenance costs.
- Prevent the growth of fungi and bacteria.
- Eliminate odors in the air.
- Improve the quality of the environment for people.

Applications

- Use for wall decoration.
- Use in areas with polluted air, in buildings and facilities sensitive to people's health: homes, schools and kindergartens, hospitals, light-colored buildings, public buildings and urban facilities.

Photocatalysis

- It is a technology analogous to photovoltaic solar panels. It uses light energy to destroy pollutants produced by automobiles and industries, which affect people's health and pollute the environment.
- It does not require maintenance, and its effect is permanent.
- It is a clean technology.
- Not only does it not pollute, but it cleans the polluted air.
- It saves costs since the walls remain clean for many years.
- It destroys dirt and prevents the growth of microorganisms.

Technical characteristics

- Density: 1050 + 15 g / lt
- Non inflammable
- Viscosity 20 "(Ford cup 4 20°C)
- Breathable to water steam
- Dry touch: 1 hour with 25°C
- Yield: until 20 m2/l once diluted 3:1 with water. Depending on the substrate absorption
- Colorless when dry
- Application between 5°C and 35°C
- Keep it protected from frosts

Photo-Siloxane Primer

Fixer and insulating primer for supports in which Photo-Siloxane should be applied

Application way

Photo-Siloxane Primer is applied diluted with water in a proportion 3:1. It is applied over dry and clean surfaces, with brush or roller.

Surface preparation requires elimination from loose particles, oils and greases, as well as other elements that can damage the adherence.

It is recommended to apply **Photo-Siloxane Primer** in favorable meteorological conditions, avoiding an excessive quickly dryness.

Avoid application if there is forecast of rain in the coming hours.

As the product can be dragged. It is recommended to check compatibility of **Photo-Siloxane Primer** with the substrate.



Colors

Colorless when dry

Consumption

Up to 20 m²/l when diluted 3:1 with water (depending on the absorption of the substrate).

Conservation

In original closed container, sheltered from strong frost.

⚠ IMPORTANT

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Photo Sound

Cementitious photocatalytic covering for all kind of roads and asphalt pavements



Product

- **Photo Sound** activated roadways, highways, squares and streets use light energy to destroy air pollutants.
- They reduce the air pollution load in cities.
- They limit the dirt in runoff water.
- They lower the surface temperature of asphalt, as they are gray in color.
- Eliminate odors in the air.
- They reduce the surface growth of fungi and bacteria.
- It is resistant to freeze-thaw cycles and has excellent adhesion to asphalt substrates, giving streets, roads and highways the durability of cement, while maintaining the flexibility of asphalt.
- Maintains and improves the sound-absorbing capacity of substrates.
- Maintains the self-draining properties of roadways.
- Its color is modifiable, which reduces the temperature of the asphalt and its emissions.

Technical characteristics

- Thin dust with less than 0.2 mm
- Water mixture ratio 100/ 35-50
- Mixture life time with 20°C 60 -90 min
- Adherence over concrete to 28 days 2.5 Mpa
- Yield: 1,5- 2 Kg/m2 (spay) 3-3,5 Kg/m2 (paste) depending on the support
- Application temperature: between 5°C and 20 °C
- Store it in dry places
- Packed in 25 Kg bags

Results

- **Essays according ISO 22197-1 performed in the**



shows average elimination ability with 12 mg NOx/m2 h representing a cleaning ability 300 m3 with urban air per hour, each m2 in the essay conditions

Applications

- Its photocatalytic properties reduce the main pollutants produced by vehicles on the road. Recommended mainly for roads and streets with high traffic density, squares, garages and open parking lots, tunnels, pedestrian lanes and walkways, bicycle paths.

Photo Sound

Cementitious photocatalytic covering for all kind of roads and asphalt pavements

Application way

Photo Sound is applied on asphalt conglomerate already compacted, and that has a minimum thickness to support the traffic. The asphalt conglomerate must have enough interstitial voids to allow **Photo Sound** to penetrate them.

Photo Sound powder should be mixed with 35-50 % water until a homogeneous mixture is obtained, fluid enough to be applied between the voids of the asphalt mix.

The mixture is applied by spraying or brushing, making it penetrate, and leaving only a layer of 1 or 1.5 mm on the surface of the chipboard, covering the surfaces of the hollows. Important to maintain the draining or sound-absorbing properties of some asphalts, it should be avoided to apply an excess of product that could clog the voids. On non-technical asphalts it can also be applied by casting.

Drying will vary according to atmospheric conditions.

Apply on clean and damp surfaces, at night, or at times when the asphalt is cold.

Avoid an excessively fast drying, it is necessary to make sure that it has humidity in the first 48 hours.

**** Photocatalytic Covering for all kind of asphalt pavements, with light boosters in the UVA-visible range, based on the EPS Technology, and that allows keeping the special characteristics in each asphaltic surface.***



Presentation

25 Kg bag

Colors

Colors chart

Consumption

1.5- 2 Kg/m² (spray)
3-3.5 Kg/m² (cast)
(depending on substrate)

Conservation

In original closed package in a dry place.

⚠ IMPORTANT

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Complementary Products

We have complementary products to make the work and systems we offer easier, as well as tools and tooling.

Silica sand

Washed silica sand

Silica sand, with clean compensated grain size and dry on the oven



Product

- Controlled grain size
- Suitable for industrial use
- Suitable for mortar and painting reinforcement
- Suitable for self leveling floors and epoxy

Enforcements

- For high abrasion resistance floor elaboration.
- To perform anti-slip surfaces and increase the adherence in posterior layers.
- As filling to elaborate the epoxy self leveling mortars.
- Ideal to clean metallic surfaces before applying a covering.
- To elaborate and reinforce high quality repair mortars.
- As covering over bituminous for pedestrian traffic protection.

Performances

- Specific gravity: 2.65 g/cm³
- Humidity content: $\pm 0,1$ %
- Bulk density: 0,93-1.1 g/cm³
- Compact density: 1,4-1,55 g/cm³
- Paste life: 30 minutes
- Burnt point: 32,5
- pH: 8.4
- Behavior against fire: A1 euroclass

**Performances are contemplated depending on the lots.*

Associated products

- Epoxy resins



Packing

25 kg sack

Consumption

Depending on the use.

Color

Standard: brown.
Others: on demand.

Preservation

Does not expire; keep it in closed original container, sheltered from outdoors and humidity

⚠ IMPORTANT

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Marble aggregate

Marble triturated

Triturated marble arid, with compensated grain size clean and dried on oven.



Product

- Controlled grain size
- Aggregate **Pavidur** and **Revistamp-P**
- Suitable for mortar elaboration and reinforcement
- Suitable for industrial use and gardening

Enforcements

- Suitable for permeable floor with the system **Pavidur**.
- As projected arid in façades like **Revistamp-P**.
- As aggregates for repair mortar **Pavigrout**.
- Suitable for gardening decoration.
- Suitable for high quality repair mortars elaboration and reinforcement.

Performances

- Grain sizes: 3/5 – 5/9 – 9/12
- Particles shape: NPD
- Water absorption: ≤ 3.00
- Heavy metals: NPD
- Reactivity: non reactive

Associated products

- *Pavidur
- *Revistamp-P
- *Pavigrout



25 kg sack

Consumption

Depending on the use

Colors

Colors chart

Preservation

Does not expire, keep it in closed original container, sheltered from outdoor and humidity.

⚠ IMPORTANT

The observations and prescriptions of this technical sheet, even corresponding to our best experience, should be considered, in any case, purely indicative, and must be tested by exhaustive practical applications; Therefore, before using the product, whoever is going to do it must establish whether it is suitable for the intended use, and assumes any responsibility that may arise from its use. Once the product is handled or applied, the manufacturer will not assume any claim, nor will it be responsible for the form, mode and conditions of application.

Bryten-CH

Superficial retarder for fresh concrete

Wax emulsion in water base and humidity controller.



Product

- Over fresh concrete surfaces outdoors.
- Facilitates the union between fresh concrete and dry mortar **Pavistamp, Padec, Padec industrial...**
- For controlling the quick humidity evaporation in fresh concrete surfaces.

Characteristics

- Over fresh concrete surfaces exposed to the insolation.
- On fresh concrete on airport runways
- Concrete slabs, canals...
- Provides a better concrete cured, with its following advantages in the mechanical resistance.
- Avoids the surface fissures.

Dosage

- Mixture proportion: 1 to 5
(1 part **Bryten-CH** and 5 water parts)

**Dosification recommended for temperatures between 30-35 °c.*

Usage way

- It must be applied through spraying considering forming a uniform layer.
- Application must be done once in the just thrown concrete surface the exudation water has disappeared, and it gets a matt color.
- The application time of the product, after pouring the concrete, will be approximately 45-60 minutes and according to the ambient temperature.

Performances

- Nature: paraffin and waxes
- Density: 0.95 g/cc
- PH: 6-7

**Special measures are not required in the product usage.*

Associated products

*On fresh concrete



25 liters drum
450 liters Pallet (18 drums)

Colors

Opaque white

Consumption

0.3- 0.5 l/m² (1 pass)

Appearance

Liquid

Preservation

In the closed original container and sheltered from outdoor and cold: 1 year



IMPORTANT

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Release Agent-L2

Liquid separating agent

Liquid release agent ready to use in an organic medium and fat materials.



Product

- For immediate separation
- Prevents the efflorescence appearance
- Colorless and breathable
- Prevents the mold from sticking with the fresh mortar.
- For pavements and facades

Characteristics

- Liquid release agent for the superficial textured and stamping treatment.
- On fresh concrete and mortar, stamped concrete, thematic rock, single-layer mortars...

Usage way

- Application temperatures: 5- 35°C.
- Spray in a homogeneous way over the mold to be used.
- Print or texture with the selected mold.
- The in exceeding application could cause tone changes.
- With dark tones (façades), it is necessary to apply a water-repellent **Dye** coat to homogenize the finish tonality.
- Protect all the surfaces that are not going to be water-repellent with the product and/or supports that are not concretely cementitious.

**These results can considerably oscillate depending on the workplace conditions.*

Performances

- Density, 25°C 0.85 g/cm3

Associated products

*Concrete and mortar



Packaging

20 kg drum
480 kg pallet (24 drums)

0,1 - 0,2 kg/m2

Color

Yellowish

Preservation

In the closed original container and sheltered from outdoor and humidity: 1 year

⚠ IMPORTANT

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F-600

Mortars consolidator

Consolidator in dispersion with water and special additive without plasticizers, in order to consolidate mortars and concretes.



Product

- To consolidate old mortars or poor in cement mortars.
- Compatible with new mortars.
- Good penetrability in penetrabilidad in porous surfaces.

Enforcements

- Covering based on silicates and achrylic polimers to harden surfaces, when the concrete or the mortar is degrading.
- Great penetration capacity.

Supports

- Any cementitious in a degrading state.

Recommendations

- The surface has to be clean, without dust and loose or dusty parts.
- Avoid application with direct insolation, wind, rain risk or frost...
- Protect all the zones where product splashes can be produced, like windows, floors...

Usage way

- Shake well the product before applying.
- With wind and very hot weather, humidify the surface before applying the product.
- Do not apply with rain risk, frost and thaw.
- Let the product curing between 1-2 hours before applying the definitive covering.

** These times can oscillate considerably depending on the ambient temperature.*

Observations

- Application temperature 10-30°C
- Avoid contact with the skin.
- Use protection glasses and gloves.
- Do not contain aggressive elements.

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20 liters drum
480 liters pallet (24 drums)

Consumption

Milky white

Colors

0.3 l/m² (depending on porosity)

Preservation

In the closed original container and sheltered from outdoors and humidity: 1 year

Polypropylene Fiber

For concrete and mortars reinforcement

Cut polypropylene fiber in order reinforces concretes and mortars.



Product

- For concrete and mortars
- Industrial and decorative pavements
- Revokes and façades
- High resistance to impact
- Easy application

Characteristics

- Fissures reduction by retraction during the setting process, avoiding the bigger fissures formation.
- Decreases the permeability
- Increases the impact resistance and the abrasion.
- Acts like reinforcement to disintegration.

Usage way

- Add directly to the concrete mixer truck, at a rate of 0.6 kg/m³ of concrete.
- The bags are made of biodegradable and water-soluble paper; consequently they do not need to be opened before introducing them in the concrete mixer.

Performances

- Density: 0.91 g/cm³
- Absorption: null
- Chemical resistance: high
- Elasticity module: 8000-10000 Mpa
- Length: 12 mm
- Diameter: 18 Nm



Packaging

Box of 40 bags (0.600 kg / bag)
14 box pallet (560 bags)

Length

12 mm

Color

Natural white

Consumption

1 bag (0.6 kg) per m³ concrete.

Preservation

Does not expire
(Preserve it sheltered from humidity and outdoors).

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Fiberglass

Control and reinforcement from the concrete and mortars

Glass fiber AR in cut thread for the concretes and mortars reinforcement.



Product

- For fissures prevention
- Industrial and decorative pavements
- Invisible on the finished surface
- High resistance to the impact
- Easy to apply

Characteristics

- Fissures reduction by retraction during the setting process, avoiding the formation of bigger fissures.
- The fiber is easily incorporated to the matrix, generating a great reinforcement fiber quantity equally distributed and without disintegration.
- The **Fiberglass** does not stand out to the surface and does not require any additional finishing process.
- Reduces the permeability
- Increase of resistance to impact and abrasion.
- It acts as reinforcement to disintegration.
- Fiber will be added to wet concrete in a mix plant or directly on the concrete mixer truck.

Usage way

- Add to the **Fiberglass** directly to the concrete mixer truck, with a proportion of 600 gr/m³ (1lb/cu.yd) of concrete.
- The bags are made of biodegradable, water-soluble and dispersible paper.

Performances

- Density: 2.68 g/cm³
- Softening point: 860°C – 1580°F
- Chemical resistance: very high
- Elasticity module: 72GPa – 250x103 psi
- Electrical conductivity: very low
- Diameter: 18 Nm
- Fiber length: 3-6-9-12 y 18 mm
- Filament diameter: 14µm (0,000546 inches.)
- Fire loss: 0.55%
- Humidity: 0,3 % maximum.
- Product: glass resistant to alkali

The Fiberglass accomplish with the norms ASTM C1666/C 1666/M-07, EN 15422 and the recommendations from PCI and GRCA.



Packaging

6 kg bags
396 kg pallet (66 bags)

Lenght

3-6-9-12-18 mm (1/8-1/4-3/8-1/2-3/4 inches)

Colors

Natural white

Consumption

Minimum: 0,6 kg until 6 kg /m³
(In all cases, it will be the project management team the one deciding the quantity m³, depending on the concrete characteristics and effort).

Preservation

*Temperature: 15°C – 35°C
*Humidity: 35% - 65%
(Preserve sheltered from heat and humidity)

⚠ IMPORTANT

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Water Repellent 6772

Water-repellent oleofugant

Compound by Fluorinated Silane-Siloxane in water solution for the construction material treatment giving a finish repellent to water and oils.



Product

- Repellent to water and oils effect.
- Does not modify the existing color.
- Avoid efflorescences
- Breathable.
- Mortars, marble, stone, clinker brick.

Enforcements

- Excellent penetration.
- Avoid the stains appearance.
- To be used for the water-repellent and oleofugant of materials **Stone feel**
- – **Stylfloor – Pavistamp floor**, Pavicem, marble, natural stone, granite, mortars, brick...
- Permeability to water steam.

Usage way

***Always perform tests before using the product**

***Dilute with water;**

1 part of **Water-repellent 6772** / 7-14 water parts.

- In recently worked surfaces, wait at least 30 days, before proceeding to the treatment.

- Apply 1-2 pass with mop, airless, conventional spray..., after 8 hours (minimum), proceed with the brightening machine ultra quick until obtaining the more uniform to the support finish

- Generally, an only pass is enough, over porous surfaces, if it was necessary, a second pass can be applied when the brightness effect of the first one disappears.

- Avoid direct insolation.

**All the information described has been obtained with standard essays and can oscillate depending on the workplace conditions and the absorption of each product to be treated.*

Observations

- The support must be dry, healthy, clean and without dust.
- Avoid splashes in the eyes, mucous and skin contact
- Use protection glasses and gloves.
- Protect all the surfaces that are not going to be waterproofed and/or supports that are not concretely cementitious.

Performances

- Active material: 45%
- Flashpoint: > 100°C
- Viscosity (to 25°C): < 50 mPas (cP)
- Density (a 25°C): approx. 1.1 g/cm
- Diluting: water

! IMPORTANT

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Packaging

5 kg drum
360 kg pallet (72 drums)

Colors

Milky white

Consumption

(once diluted)

1kg: between 5-25 m2 / 1 pass and depending on support

Preservation

(5- 25°C)

In the closed original container and sheltered from outdoors and humidity: 6 months

Associated products

Stone feel - Stylfloor - Terrazo
Pavistamp floor - Micro cement

Hormidur 100

Concrete and mortar

Accelerator liquid for the setting and hardening of the mortars and concretes.



Product

- For mortars and concretes that are not armed
- Chloride based
- Improves the setting in the cold weather
- Special for monolayer mortars
- For fast pouring
- Easy use

Enforcements

- Accelerator that in cold ambients (5-10°C) permits the waiting reduction before the monolayer mortar scraping.
- When the production in cold temperatures periods cannot be reduced.
- As a concrete protection with low temperatures.

Supports

- The usual for the mortar and concrete application.

Recommendations

- Do not apply a monolayer mortar on a frozen support or with frozen risk.
- Do not exceed the recommended dose it could alter the mortar performances.
- In mortars and concretes, always use the same dosage.
- With monolayer mortars in dark tones, always use the same percentage, on the contrary case color changes could take place.

Usage way - dosage

- Exterior temperature 5- 10°C approx.
- The dosage will oscillate from 3-5% over the cement weight, depending on the concrete or mortar characteristics, the ambient temperature, or the product, as well as the desired setting speed.
- It can be dissolved previously to the kneading water, but it is convenient always to perform essays before determinate the most adequate dosage.

Performances

- Nature: Inorganic salts
- Aspect: Transparent liquid
- Density: 1.3 DIN 51757
- PH: 7 UNE EN 1262
- Solubility in water: Total

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Packaging

28 kg drum
672 kg pallet (24 drums)

Consumption

Monolayer mortar: 0.15 kg per 25 kg sack
Concretes: 3-5 % over the cement weight

Color

Colorless

Preservation

In the closed original container and sheltered from outdoors and humidity: 1 year

Hormidur SC

Setting accelerator whitout chlorides

Accelerator liquid without chlorides for mortars and concretes.



Product

- For concretes and mortars.
- Without chlorides.
- Improves the setting in the cold weather.
- For quick released.
- Easy use.
- Improves productivity.

Enforcements

- For concretes, prestressed and mortars, even if they are armed.
- Totally without chlorides
- When you don't want to decrease production in winter weather.
- As a concrete protection with low temperatures.

Supports

- The usual ones for mortars and concretes application.

Enforcement tips

- Outdoors temperature: 5- 10°C approx.
- The lower the temperature is and the higher the ratio water/cement, for the same setting speed, the bigger the **Hormidur SC** dosage has to be.
- Do not apply a concrete or mortar on a frozen support or with frozen risk.
- Use the same dose throughout the application or pouring process.

Usage way - dosage

- The dosage will oscillate between 2-4% over the cement weight, depending on the concrete or mortar characteristics, the ambient temperature or product, as well as the desired setting speed.
- It can be dissolved previously to the kneading water, but it is convenient always to perform essays previous to determinate the most adequate dosage.

Performances

- Nature: Organic salts
- Aspect: liquid
- Density: 1.3 g/ec
- PH: 7- 7.75
- Chloride: Totally without

**These results can oscillate depending on the workplace conditions.*



Packaging

26 kg drum
672 kg pallet (24 drums)

Consumption

Monolayer mortar: 0.15 kg per 25 kg sack
Concretes: 2-4 % over the cement weight

Color

Colorless

Preservation

In the closed original container and sheltered from outdoors and solar light exhibition: 1 year

⚠ IMPORTANT

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Curing Lacquer

Conventional acrylic emulsion

Emulsion in aqueous dispersion for the protection of concrete and mortar floors.



Product

- For the concrete pavements seal and façades protection.
- Good abrasion resistance
- For maintenance and preservation
- Water base
- Indoors and outdoors

Characteristics

- Acrylic emulsion in water base for cured, floor protection and mortars.
- Transparent, waterproof and breathable.
- Highlight the color.
- Silky finish.

Recommendations

- Application temperatures from 10 to 30°C (measured on the pavement).
- It can be applied on a wet pavement. (Without water puddles).
- With roller or with a gun.
- It is advisable application in 2-3 coats.
- It can be used in the future for preservation and maintenance of any kind of concrete floor: smooth, decorated or stamped.
- Avoid application with rain risk or very wet, with frost risk or direct insolation.

Usage way

- The zone to be treated must be completely clean, without dust, greases...
- Apply without overloading in 2-3 pass.

**Consumption is from standard essays, and it can considerably oscillate depending on the concrete or mortar absorption and on the workplace conditions.*

Performances

- Density: 1.5 g/cm³
- P.H.: 7.0 – 9.0 UNE – EN 1262
- Color: Milky white
- Dry touch: >2 hours
- Pedestrian traffic: > 24 hours
- Road traffic: >7 days
- Complete drying (20°C): ≥7 days

** These times are contemplated with 20°C and can oscillate depending on the ambient temperature.*



IMPORTANT

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Packaging

20 liters drum
480 liters pallets (24 drums)
1000 liters drum

Colors

White (once it is dry, transparent)

Consumption

(as a seal resin)

0,2-0,3 l/m² (1 pass)

Preservation

In the closed original container (without added water) and sheltered from outdoors and humidity: 6 months

Associated products

Concretes and mortars

Microspheres

High resistance to abrasion

Sodium glass in neutral class without silica,
chemically neutral



Product

- Increases the fluidity of the resins mixture
- Decreases the contraction
- Improves the aesthetic aspect
- Good behavior against slipperiness
- Easy application

Characteristics

- In a perfectly spherical shape and in a totally regular and homogeneous and massif grain size distribution, suitable for works in dry (sprinkle) and wet (mixture).
- For a great variety of applications without measurable erosion in the treated surface.
- Improves resistance to abrasion and scratches.
- It does not contain free Silica.
- For the superficial hardening treatment.

Recommendations

- Over clean and healthy support, dry, without greases, and fissures...
- The surface to be treated has to be without humidity.
- Application per mixture as a painting with short hair roller in very thin layer.
- For the hardening superficial treatment in surfaces subjected to strong mechanical tensions.
- Indicated for the final finish and protection against slip.
- Do not apply with rain risk and frost-thaw, direct insolation, strong wind...

Mixture ratio

- **Classification CTE SU1 Security in front of the falls risk**
Class 3 ($R_d \geq 45$):

Addition of 30% of Microspheres in the 2 last layers

- **Class 2 ($35 < R_d \leq 45$):**

Addition of $\pm 20\%$ Microspheres in the intermediate layer

- These values are indicative and depend directly on the support roughness.

Use instructions

Incorporate the **Microspheres** after mixing the components A+B of the paint if applicable and shake until homogenized. Then dilute if necessary.

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Packaging

1 and 5 kg containers

Colors

Transparent

Consumption

Depending on usage

Aspect

Pearls

Preservation

Does not expire, in the closed original package and sheltered from outdoors and humidity.

Associated products

*Epoxy resins

*Decosol

*Racly-2

Pavi-Crème

Impregnant and waterproofing sealer

Impregnate agent, in water emulsion in a cream form.



Product

- Anti-graffiti
- Protection against water and oils
- Makes cleaning easier
- Breathable product
- Anti-stains

Characteristics

***Test always the product before on a little zone, let it act for 24 hours to decide the quantity to use and the desired results.**

- Cured time: minimum 12,
- Touch dry (20°C): > 10 hours
- Completed cured (20°C): > 25 days
- Penetration depth: depending on the material porosity and climatology
- This product is not resistant to acids, aggressive cleaners, bleaches aggressive direct contact (outside the skimmer) with pool water.

**These results are from standard essays and they can oscillate depending on the workplaces conditions.*

Performances

- Composition: water emulsion in water base
- Density: Ca. 0,78 g/cm3
- Appearance: milky white paste
- Flashpoint: 100°C
- Freeze resistant

** These results are from standard essays and they can oscillate depending on the workplaces conditions.*

Enforcements

- Impregnate sealer to be applied over surfaces of porous construction materials and protect them from penetration of water, dissolved salts, oil stains...
- Suitable for indoors and for outdoors.
- Keeps the natural color and the surface finish.
- The treated surfaces are completely secure for contact with food.
- Excellent protection against water and oil.

Supports

- Micro mortar, mortars, micro cement, granite, quarrying, compact quartz, slate, terrazzo, marble, grout, clay, cobbles...

Recommendations

- Application temperatures 5 - 35°C
- Do not apply over concrete or disintegrated mortar.
- Do not apply over wet supports or with humidity excess.
- Does not contain aggressive elements.

Execution conditions

- The surface to be treated must be clean, solid, without dust and without bad adhered parts.
- The surfaces must be completely dry before the product application.
- Over recent cement surfaces, they must be cured minimum 3 days.
- The treated surface must be kept without alterations (rains, frost, and condensation) minimum 24 hours, to secure the **Pavi-Crème** performances.
- Avoid contact with humidity during the 15 hours following to the application.
- For sealed surfaces cleaning, use neutral PH washing ups dissolved in tempered water.

Pavi-Crème

Impregnant and waterproofing sealer

Usage way

- Cover generously with **Pavi-Crème**, all the surface, with roller, sponge...
- Avoid contact with the surrounding zones.
- Let the reaction product and penetrate.

Once dry surface, pass the Pat White at high speed, until the desired finish.
Use water to clean the used in the application utensils.

**The sealant will not prevent wear or scratches on the surface.*

Associated products

- *HD products
- *Pavistamp Floor
- *Micro cement



Packing

Containers of 1 - 4 - 50 liters

Colors

Milky white paste

Consumption

3 – 10 m²/l of the product
(depending on the support, absorption and penetration)

Preservation

(5-30°C)
In the closed original container and sheltered from outdoors and
solar light exhibition: 1 year.

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Pavilatex

Aqueous adhesive emulsion for concrete and mortar

Adhesive emulsion based on water-based resins, for the adhesion and reinforcement of concretes and mortars



Product

- For reinforcement of mortars and concretes
- Improves the adherence of mortars and concretes
- A more elastic and more resistant mortar is obtained
- Reduces the risk of fissures
- Better chemical resistance
- Water base
- Indoors and outdoors

Characteristics

- To add to the mortars, being these more resistant and flexible
- Water based acrylic resin for curing, soil protection and mortars
- Suitable as a union bridge between concretes and mortars, fresh and fast-setting
- Transparent, waterproof and breathable
- Enhance color
- Satin finish

Applications

- For mounting and bonding masonry
- Installation of floors and sealing
- Improves grip
- Increases workability
- Improves initial benefits
- Significantly increases waterproofness
- Improved abrasion resistance

Performances

- Composition: synthetic resin emulsion
- Application temperatures: 5 - 35°C
- Density: 2.1 g. / cm³
- P.H. : 7.0 - 9.0 UNE - EN 1262
- Color: milky white

Recommendations

- The supports must be clean, healthy, stable and resistant, free of dust, plaster, paint ...
- In hot weather and with dry wind, a humidification of the facing must be carried out before and 24 hours after the application of the coating, to favor the curing of the mortar and avoid the appearance of cracks and cracks
- The cementitious substrates will be wet with clean water until saturation but without forming puddles, applying the grout or mortar when the surface has acquired a matte appearance
- Avoid the application with risk of rain or very humid, with risk of frost or with direct insolation

Pavilatex

Aqueous adhesive emulsion
for concrete and mortar

Usage way

Mixing ratio

- For concrete and mortar reinforcement:

Maximum 10% resin over the weight of the cement

- As a quick primer:

1 part resin for 1-3 parts water (depending on supports).

- As a sealing resin:

1 part resin for 1 -2 parts water

(Application without overloads in 2 passes)

** These proportions are from standard tests and can vary considerably depending on the absorption of concrete or mortar and on-site conditions.*

Associated products

*Concretes and mortars

*Revistamp sec 250

*Revistamp sec

*Revistamp mur



Presentation

20 liter drum

480 liter pallet (24 drums)

1000 liter drum

Colors

White (once dry, transparent)

Consumption

According to use

Conservation

In original closed container (without added water) sheltered from the elements and humidity: 6 months

⚠ IMPORTANT

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Pigment paste

Water colouring pastes

Water-based dye antlers based on inorganic pigments.



Product

- Easy onboarding
- Excellent durability and stability
- Wide color gamut

Applications

Inorganic dyes suitable for dyeing indoor and outdoor products, to obtain a wide selection of classic and modern colors.

- Fully stable pigments in work exposed to the outside.
- They are normally used to color concrete in mass, resins and paints (water-based), mortars...

Recommendations

- For applications such as colored mortar / stucco / plaster / colored concrete (premixed or prefabricated), or for ceramic tile joints.
- It is recommended to always make a test sample of the chosen color before production, to check the correspondence of the color with the color chart and the coverage of the product afterwards to be applied.

How to use

- Depending on the intensity you want to give to the mixture, considering that they are related to the amount of cement. Do not apply more than 7% of the pigment in relation to the cement.

**Color intensity can vary considerably depending on the type and quality of cement used and the proportion of water added.*

Associated products

*Water-based resins, paints, and mortars.



Packaging

Container 1 / 0,500 / 0,250 kg

Color

Ral / Pantone

Conservation

Store in an original closed container, sheltered from the weather and humidity.

⚠ IMPORTANT

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Pigments

Mineral oxides

Iron oxides (black, yellow, red) or chrome oxides (green).



Product

- Easy incorporation.
- Excellent durability and stability.
- Wide color range.

Enforcements

- Totally stable pigments on outdoors exposed works.
- They are normally used to mass colorate concrete, on industrial pavements...

Recommendations

- It is advisable for applications like colored mortar / stucco / plaster / colored concrete (premixed or premanufactured) / , or for joints in the ceramic flagstones.

Usage way

- Depending on the intensity desired on the concrete, considering that they are related with the cement quantity. Do not apply more than 7% of the pigment in relation with the cement.

**The intensity of the color can vary considerably according to the type and quality of the used cement.*



Packaging

25 kg sack
1000 kg pallet

Colors

Red, yellow, green, black
** Other colors on demand

Preservation

In the closed original container and sheltered from outdoors and humidity.

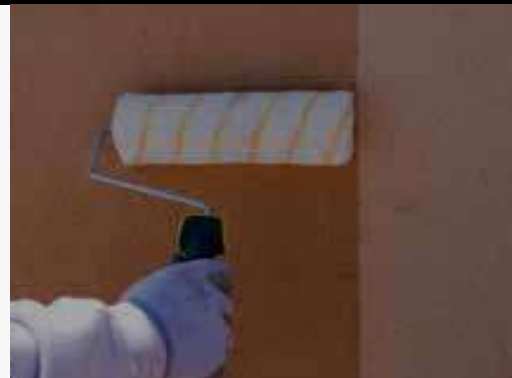
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Protec facades A

Water-repellent

Potassium silicate in water solution for the treatment of construction material giving a water repellent finish.



Product

- Water based
- Water repellent effect
- Does not alter the painting surfaces color
- Breathable

Enforcements

- Excellent penetration.
- It can be used for the water-repellent treatment of construction materials, bricks, flagstones, mortars, concretes...
- Permeability to water steam

Usage way

- Application temperature: 5 to 30°C
- The support has to be dry, healthy, clean and without dust.
- The product will be delivered in pure state.
- **Protect facades A:** It is applied in water solution between 3-5% of active material in the water repellent treatment of construction materials, like bricks, flagstones...

Mortars and concretes:

- Dilute 1 to 10 (1 part of **Protect facades A** per 10 clean water parts).
- Plaster and concrete settings, from 0.1 to 1% active material.
- Application with brush, roller, sprayer... 1 or 2 pass depending on the absorption and porosity.

Observations

- Avoid splashes in the eyes, mucosa and skin contact.
- Use protection glasses and gloves.
- Protect all the surfaces that are not going to be water repellent with the product and/or supports that are not exactly cementitious.
- Do not apply with rain risk, frost...

Performances

- Active material: 45%
- PH a 25°: 12- 13
- Density to 25°C: 1.30 g/cm³
- Diluting: water

**All the information described has been obtained with standard essays and it can oscillate depending on the workplace conditions.*

⚠ IMPORTANT

The observations and prescriptions of this technical sheet, even corresponding to our best experience, should be considered, in any case, purely indicative, and must be tested by exhaustive practical applications; Therefore, before using the product, whoever is going to do it must establish whether it is suitable for the intended use, and assumes any responsibility that may arise from its use. Once the product is handled or applied, the manufacturer will not assume any claim, nor will it be responsible for the form, mode and conditions of application.



Packing

30 liters drum
720 liters pallet (24 drums)

Consumption

(once diluted)
Advisable: 1 liter = ±3 m² (1 pass)

Colors

Yellowish

Preservation (20-25 °C)

In the closed original container and sheltered from outdoors and humidity: 1 year

Protec facades S

Water-repellent

Water repellent ready to use, with silicone base.



Product

- Ready to use.
- Pearl effect.
- Rain water penetration repellent.
- Only on vertical supports.

Enforcements

- Excellent penetration.
- Specially formulated to obtain a quick dry in all the neutral and alkaline surfaces appearing the Pearl effect in the hours following to its application.
- Breathable.

Usage way

- Application temperature: 5-30 °C.
- Product ready to use.
- The support must be dry, healthy, clean and free of dust.
- On mortar, concrete, completely dry and set >28 days.
- Apply by brush, roller, spray or gun.
- In general, a single pass is sufficient, in the case of very porous surfaces, the application of a second pass is necessary, as soon as the shiny effect of the first one disappears.
- After rain, wait at least 24 hours before applying the product.

Observations

- Do not apply with wind or rain risk.
- Avoid splashes in the eyes, mucous and skin contact.
- Use protection glasses and gloves.
- Protect all surfaces that are not going to be treated with the product and / or supports that are not specifically cementitious.
- It contains solvents.

Performances

- Active material: aprox. 6%
- Density 25°C: 0.85 g/cm3

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Packaging

20 liters drum
480 liters pallets (24 drums)

Consumption

Advisable: 1 liter = \pm 3 m2 (1 layer)

Colors

Yellowish

Preservation (20-25 °C)

In the closed original container and sheltered from outdoors and humidity: 1 year



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Pavistamp Protector

Anti-stain emulsion

Anti-stain emulsion in water base for protection of all kinds of construction materials.



Product

- Facilitates the cleaning of curbs, registers, baseboards, slabs...
- It can be used in all kinds of construction materials.
- It does not leave print after the water pressure cleaning.

Characteristics

- Anti-stain protector in kerbs, registers and skirtings...
- Easy to apply and to clean
- Avoid the stains of the fresh concrete spilt or any other superficial treatment.

Usage way

- Apply with brush over the surface to be protected.
- On pavements, the skirting must be protected at least 50 cm from the floor.
- Application can be performed over dry or wet surfaces (without ponded water), a few times before the concreting or the product application treatment.
- The **Protector Pavistamp** is removed by washing the affected area with pressurized water, after the concrete has hardened and / or the treatment products have dried (after 48 hours).

Recommendations

- Do not apply over absorbents surfaces (mortars without water repellent, monolayers, absorbents stone...), can leave print.

Performances

- Aspect: Liquid
- Nature: Polymers
- Viscosity: 1400-1500
- Behavior against fire: Non inflammable

**This product can get frozen with low temperatures, but its properties will not be lost once the thaw comes again.*



Packaging

20 kg drum
360 kg pallet (18 drums)

Consumption

0.2 - 0.25 kg/m2

Colors

Colorless

Perservation

In the closed original container and sheltered from outdoors and cold weather.

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Sealer HO

Solvent-based hydro oleofugant

Compound of Fluorinated Silane-Siloxane solvent base, with high penetration capacity, over substrates polished concrete, marble, granite...



Product

- Pearl effect
- Rainwater penetration repellent
- Keeps the surfaces clean and dry a long time, without efflorescence or contaminants.

Enforcements

- Excellent penetration capacity over substrates porous and a few porous.
- It can be used for the treatment water-repellent and oil repellent of materials **Stone feel – Stylfloor – Pavistamp floor**, micro cement, concrete polished-impress, natural stone, granite...
- Breathable
- Do not apply over cement supports in the setting period. (< 28 days).
- It contains solvents.

Observations

- The support must be dry (< 4% humidity), healthy, clean and without dust.
- Over porous and absorbent surfaces, the consumptions can considerably oscillate.
- Protect all the surfaces that are not going to be treated with the product and/or supports that are not exactly cementitious.
- Use protection glasses and gloves.
- Avoid splashes in the eyes, mucous and skin contact.

Performances

- Active material: approx. 23%
- Solubility: Universal Solvent or White Spirit (depending on the surface to be treated from 1 to 9 parts)
- Flashpoint: > 23°C
- Viscosity (to 20°C): > 50 cSt
- Density (to 25°C): approx. 0.85 g/ccm

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Sealer HO

Solvent-based hydro oleofugant

Usage way

- Dilution:

*1 part **Sellador-Ho**

* 9 part of **Universal solvent** or **White spirit**.

Always perform test before using the product.

Do not apply with humidity > 4%.

Application temperature: 5-30 °c.

Over cement bases with complete setting >28 days.

*Over polished

Apply 1 or 2 pass with mop, airless, conventional spray, after 8 hours (minimum), pass the brightening machine ultra-quick to obtain a more uniform finish.

Generally, an only pass is enough.

*Over absorbent surfaces

Over porous or stamped concrete, apply 2-3 pass with a roller, airless... porous and absorbents surfaces; it can be applied when the brightness effect from the previous layer disappears.

Associated products

*Stone feel

*Stylfloor

*Pavistamp floor

*Micro cement



Packaging

5 kg drum
360 kg pallet (72 drums)

Colors

Amber

Consumption

Over polished: ±1 kg = 6 m2 (1 pass)

Over concrete: ±1 kg = 4 m2 (1 pass)

Preservation

(5- 25°C)

In the closed original container and sheltered from outdoors
and humidity: 1 year

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