

Pavistamp[®]

Fabricamos tus sueños

Hidrocril SYSTEM

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04 | SWIMMING POOL REPAIR AND REHABILITATION PROCESS



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ABOUT THE SYSTEM Hidrocril System

THE REHABILITATION OF PUBLIC SWIMMING POOLS IN SPAIN:

An investment in community health and wellness.

The rehabilitation of public swimming pools, fountains, ponds and irrigation canals through the painting process is a comprehensive solution that guarantees the durability, impermeability and aesthetics of these structures. A complete repair system based on high-quality and effective products is described below, which ensures the restoration and protection of concrete or cement surfaces exposed to wear and tear due to use, weathering and adverse water conditions.

The rehabilitation of public swimming pools in Spain is a key project for the well-being of local communities. These spaces not only provide a source of leisure and sport, but also fulfil a social and public health function. However, over time, the wear and tear of the facilities requires interventions that guarantee the safety, efficiency and sustainability of these infrastructures.

The Importance of Public Swimming Pools: Meeting centers that allow people of all ages to enjoy recreational and sports activities. In many cases, they are the basis of teaching programs, such as swimming for children, and are essential to promote healthy lifestyle habits, especially in older people who find in water an ideal means of exercising without impact. Ρ

ABOUT THE SYSTEM Hidrocril System

m² ELASTOMERIC RESIN-BASED COATING, VERY TENACIOUS AND ADHERENT, SPECIALLY DEVELOPED FOR THE SEALING AND SEALING OF WATER CHANNELS AND PIPES, DAMS, RESERVOIRS, CISTERNS... ETC. THAT MAINTAINS AIRTIGHTNESS EVEN AFTER BREAKAGE DUE TO OVERLOADS IN THE SUPPORT WITH THE CONSEQUENT CREATION OF NEW CRACKS AND FISSURES OF UP TO 4-6 MM.

Supply and formation of continuous coating, carried out on a concrete surface, by applying successive layers: Pavex Primer Plus layer (epoxy primer for the consolidation of supports) from the firm Pavistamp or similar according to Technical Direction (T.D.), repair of joints or fissures by Pavigrout TXT R4 from the firm Pavistamp or similar according to T.D., application of Pavimper 2C Rapid (Two-component waterproof elastic mortar) from the firm Pavistamp Company or similar according to T.D., sealed with Pavex Water (Epoxy paint based on pigmented water) from the firm Pavistamp Company or similar according to T.D. Finished with Hydrocril, (Coating based on elastomeric resin) creating a protective seal following the manufacturer's instructions.

Concrete supports must be solid, dry (completely set if they are newly built for 28 days), level, absorbent, not contaminated by oils, detergents, dusts or other substances.

The rehabilitation of public swimming pools, fountains, ponds and irrigation canals through the painting process is a comprehensive solution that guarantees the durability, impermeability and aesthetics of these structures. A complete repair system based on highquality and effective products is described below, which ensures the restoration and protection of concrete or cement surfaces exposed to wear and tear due to use, weathering and adverse water conditions.



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The Rehabilitation of Public Swimming Pools

Meeting and leisure venue

WEAR AND TEAR AND THE NEED FOR REHABILITATION

Over time, public swimming pools suffer wear and tear due to continuous use, exposure to chemicals such as chlorine, weather conditions, and lack of proper maintenance. Cracks in structures, deterioration of coatings, and poor condition of joints can compromise user safety and efficient operation of facilities.

The renovation and updating of public swimming pools is essential to ensure that they comply with current safety and sustainability regulations. In addition, a well-maintained pool not only ensures the protection of users, but also reduces water and energy consumption, which has a positive impact on the environment.





BENEFITS OF PUBLIC SWIMMING POOL REHABILITATION

- **Safety:** Repairing structures, improving filtration systems and lining, ensure that users enjoy a safe and risk-free installation.
- **Health:** Maintaining a public pool in hygienic conditions optimizes water quality, minimizing the proliferation of bacteria and pathogens, which is crucial for the health of the community.
- Energy Efficiency: The modernization of pumping and filtration systems, as well as the use of ecological waterproofing products and coatings, allows a more efficient use of energy resources, which translates into economic savings.
- Environmental Sustainability: Swimming pools rehabilitated with state-of-the-art products are more environmentally friendly, their reduced use of water or the implementation of technologies with a low environmental impact.

REHABILITATION AS A LONG-TERM INVESTMENT

It improves the safety and health of users, in addition to increasing the attractiveness of facilities and generating a positive economic impact on the community. Collaboration between administrations, professionals and specialized companies such as Pavistamp is key to offering sustainable solutions that extend the useful life of swimming pools. This work goes beyond maintenance, promotes public health and improves quality of life.

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Previous Status

Before starting the repair process, it is essential to carry out a thorough assessment of the condition of the pool, source or pipe. This analysis includes the review of:

- Visible fissures and cracks in the cladding.
- Water losses.
- Wear of expansion and settling joints.
- Condition of the surface layers (whether they are disintegrated or eroded).

This initial diagnosis makes it possible to establish the type of intervention that will be required and the products to be used, in addition to carrying out adhesion and water absorption tests in the affected areas to ensure that the proposed solution is effective.



Hidrocril System

Initial tests

Before proceeding with the roughing and cleaning of the surfaces to be treated, it is crucial to carry out a series of initial tests to properly assess the condition of the area and ensure the correct application of the painting system.

These tests allow a detailed view of the current condition of the structure to be obtained and to determine the best preparation techniques and products to be used. The aim is to avoid premature failures and ensure a long-lasting and effective intervention:

- 1. Visual Inspection and Initial Diagnosis.
- 2. Humidity Tests.
- 3. Substrate Adhesion Tests.
- 4. Mechanical Resistance Tests.
- 5. Detection of contaminants.
- 6. Chemical Compatibility Tests.



Surface Preparation

The preparation of the support is one of the most critical steps in the rehabilitation of swimming pools, fountains or pipes. The surface is required to be completely clean, free of dust, grease, algae and residues from previous materials that may affect the adhesion of the system. Two main methods of abrasion cleaning are used for this:

- Sandblasting: This system is ideal for removing embedded dirt and deteriorated material, leaving a rough surface that facilitates the adhesion of subsequent products.
- **High Pressure Water Cleaning:** It is used in less damaged areas or for a more superficial cleaning, removing residues without damaging the integrity of the support.







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Abrasion Roughing

Both methods ensure that the substrate is in optimal condition to receive the repair and protection products.









100% solid epoxy primer solventfree for priming on concrete, oldnew concrete bonding bridges and the manufacture of epoxy mortars.

With the joints and cracks repaired, it is crucial to ensure correct adhesion between the remediated concrete and the subsequent repair layers. To do this, Pavistamp's Pavex Primer Plus is used, a 100% solid epoxy system that acts as a bridge between the old concrete and the new repair layers.

This product guarantees excellent adhesion and prevents possible future detachments.

Application of Joining System

Pavex Primer Plus



ABOUT THE SYSTEM Hidrocril System

Pavistamp'

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): \geq 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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Once the surface is completely clean and prepared, the detected joints and fissures are repaired.

For this process, Pavigrout TXT R4 is used in its coarse granulometry and is a compound of high-strength cements, selected aggregates, special additives and fibre reinforcement. A highstrength repair mortar ideal for restoring structural joints and expansions.

This mortar ensures that the repaired cracks or joints are able to withstand thermal and mechanical stress over time.

Repair of the Joints

Pavigrout TXT R4 Grueso







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Pavistamp

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: \leq 0,05 %
- Elasticity module in compression: ≥ 20 GPa
- Frost-thaw with salt immersion: ≥ 2 Mpa
- Capillary absorption: $\leq 0.5 \text{ kg} / (\text{m2xh05})$
- 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

\land important

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Special cement, selected aggregates, resins, active components and additives. Suitable for concrete waterproofing. It is a waterproof coating that protects walls exposed to the action of water. Suitable for receiving a paint or coating.

Once the bonding products have been applied, waterproofing is carried out with the Pavimper 2C Rapido system, a highstrength two-component product.

Three layers of Pavimper are applied, interspersed with a 160 micron grip mesh to reinforce the structure and ensure the correct distribution of the product on the surface.

Waterproofing

Pavimper 2C Rápido y Malla de Agarre



ABOUT THE SYSTEM

Hidrocril System

Pavistamp

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 h0,5
- 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 \geq 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 *Cemcol Flex Porcelánico C2TE-S21® *Cemcol Flexible C2TE-S21® (Thin and thick layer)



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

\land 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 It 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.



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.

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ABOUT THE SYSTEM Hidrocril System

Waterproofing

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The reinforcement mesh allows the waterproofing system to be flexible and resistant, adapting to the possible expansions and contractions of the structure.







Coloured finish of 2 components based on epoxy and amine resins, in aqueous dispersion and with high solids content.

After the application of the waterproofing system, it is necessary to seal the whole from external agents, such as UV rays, chlorine or mineral salts present in the water.

To do this, Pavex Water is applied, a sealant developed by Pavistamp that provides excellent protection and final finish.

This product is applied by two coats of 200 grams in total, using an Airless spray system to ensure uniform and fast coverage.

Sealing Pavex Water



Hidrocril System

Pavistamp[®]

Pavex water

Pigmented epoxy paint on water based (A+B)

2-component colored finish based on epoxy resins and amine, in aqueous dispersion and with high solids content.

Product

- Good wear resistance
- Easy to clean
- Excellent UV resistance
- Indoors and outdoors
- Good resistance to water, alkalis, detergents and hydrocarbons (oil, diesel, gasoline, etc.).

Performances (25°C - 50% H.R.)

- Relative humidity: <70%.
- Specific gravity (25°C): 1,48 +/- 0,05 g/ml
- Viscosity (25°C): 8.500 +/- 1.700 Mp
- VOC (Decree 161/06): <50 g/l
- Adhesion (DIN ISO 4624): >1,5 N/mm².
 Abrasion resistance: Between 175-250 mg (Taber
- mola CS-17-1000 turns 1000 gr weight)
- Dry residue by weight: 69
- Dry residue by volume: 54%Flash point: Not applicable
- Decree Law No. 193/2007 "Regulation 852/2004 on the hygiene of foodstuffs" (HACCP).

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

Technical data

 Packaging 	Pack (A+B): 20 kg		
 Application temperature 	10-30°C		
 Consumption 	0,08 – 0,13 kg/m² (1 layer)		
• Color	Transparent (colors)		
 Dosage (A+B+C) 	Weight and volume: A=80 – B=20		
Pot life (50% HR)	7°C: >6hs 25°C: >3hs 35°C: >2hs		
Dry to touch (50% HR)	7°C: 24-28hs 25°C: 8-10hs		
	35°C: 3,5-5,5hs		
 Pedestrian traffic (50% HR) 	>24 hours (25°C)		
 Repainting (50% H.R.) 	12-36 hours (25°C)		
 Tool cleansing 	Water		
 Maintenance and cleaning 	Cleaning with neutral detergents		
 Preservation 	In original closed container (5-35°C),		
	protected from weather and humidity: 1 year.		

Applications

- Pigmentation of concrete.
- Finish for epoxy systems (self-leveling or multilayer).
- Suitable for food environments, easy to clean and disinfect.
- Renewal of resin floor coloration.
- · Enamel for wall coatings.

Supports

• The support must have a mechanical resistance to compression >25 N/mm2 and traction >1.5 N/mm2.

Support prepparation

Concrete subfloors: must be solid, dry (set if new construction), level, absorbent, not contaminated with oils, detergents, powders or other substances.

Evaluate the most suitable type of mechanical preparation (abrasion or shot blasting machine).

Eventual cracks and slight anomalies can be repaired with **Pavirapid.**

Slab pavements: they must be treated with abrasive machine or shot blasting until the surface is perfectly opaque.

Resin pavements: the already existing pavements, must be treated with abrasive machine or shot blasting, eliminating the dust residues.

On absorbent surfaces, they should be treated with **Paviplast epoxy** tte. or with a pass of **Pavex water** diluted with 30 % in weight of water.

On substrates with rising damp they should be treated with **Ecopox-cem plus 3C.**

Important

Yellow, orange, or some red colors may require more applications to obtain a good coating effect, in some cases an application of white is recommended. Different batches of the same color may show some differences.

When possible, use material from the same production batch. Some colors contain organic pigments (reds, blues, greens, dark yellows,...) and have a tendency to fade with wear or mechanical cleaning (either dry or wet). In such a case, it is advisable to protect the color with a transparent top coat.

Pavex water

Pigmented epoxy paint on water based (A+B)

Application

For its application, combine the two components in a single container and mix carefully, using suitable tools (a low-revolution mixing drill with propeller is recommended).

Once the mixing is finished, respect the induction time, leaving the product to rest in the container. Add the dilution water and mix the product again, apply with a roller for a consumption of ± 0.13 kg/m².

As a finish, **Pavex water** can be diluted to 10% by weight of water, apply with a roller smoothing the surface with parallel movements.

To obtain an anti-slip surface, add 3-5% by weight of glass or quartz microspheres, keep the product agitated to avoid sedimentation.

Pavex water can be applied with a trowel, in this case, add to the mixture 50% by weight of quartz 02-04mm or glass beads and apply at a maximum consumption of 0.4 kg / m2 of product loaded.

Usage way



Mix components $\mathbf{A} + \mathbf{B}$ with a whisk at low revolutions for at least 1 minute, until a perfect homogenization is obtained.

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The application can be done with airless, brush, roller.

Times to be taken into account according to temperature:					
Temperature	15 °C	25 °C	30 ° C		
Induction time (min.)	25'	15'	10'		
Time in use (min.)	105'	90'	70'		

If the induction time and the time of use are not respected, a deformation of the finish may occur, evidenced by a non-constant brightness.

Associated products

*Ecopox CEM plus 3C *Pavirapid *Paviplast epoxy *Microspheres *Quartz

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Packaging

Pack (A+B): 20 kg

Color

Transparent (colors)

Consumption

0,08 - 0,13 kg/m² (1 layer)

Preservation

In original closed container (5-35°C), protected from weather and humidity: 1 year.





The system for repairing public swimming pools and hydraulic structures with Pavistamp products ensures efficient and long-lasting intervention, suitable for large-scale projects.

This carefully designed process not only restores the functionality of pools and pipes, but also improves them with modern technologies that ensure their resistance and durability in the most demanding conditions.

Final Finish Hidrocril

To conclude the rehabilitation, two coats of the Pavistamp Hydrocril product are applied, with a consumption of 0.800 kg/m². This finish guarantees the durability and resistance of the coating, providing an aesthetic and uniform finish.

Hidrocril is a high-quality acrylic resin that protects the surface from chemical agents and constant exposure to water, prolonging the life of the repair system.

Hidrocril System

Pavistamp[®]

Hidrocril ELASTOMERIC RESIN-BASED COATING



Specially developed for the sealing and sealing of water channels and pipes, dams, reservoirs, cisterns, etc., which maintains airtightness even after breakage due to overloading in the support with the consequent creation of new cracks and fissures of up to 4-6 mm.

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Properties

Product that once dry is totally resistant to permanent immersion in water, as well as to immersion/sun exposure cycles and resistant to the usual mechanical means of cleaning in this type of installation. Resistant to aging by ozone and UV rays without losing elasticity, toughness or adhesion, even after long periods of exposure to extreme climatic circumstances of cold and heat, both alpine and tropical.

Applications

Sealing of joints between different materials in construction, sealing of fissures and cracks, concrete pipe junctions, sealing of leaks in pipes, sealing of water containers of all kinds. Sealing of underground electrical power pipes, sealing and waterproofing of terraces, roofs and urban areas that must be passable both pedestrian and light road.

Construction and maintenance of water transport channels of all kinds, repair of fissures and cracks in reservoirs and dams, hydroelectric industry, residential and urban drinking water supply services, irrigation canals, waste collectors in urban, rural and industrial environments, cisterns, swimming pools, terraces, roofs... etc.

Technical information

SPECIFIC WEIGHT 1.4 kg/cc VISCOSITY Not measurable. Thick paste. SOLIDS 76% Weight / 65% volume APPLICATION Wool. Brush. FLASH POINT airless gun >100°C YIELD 1 – 2 Kg m2 APPEARANCE Smooth, bundled DRYING 1h to the touch 30h before immersion REPAINTING 1 – 2 hours approx. THINNER Water FINISHED COLOR Gray. White. Red. CAUTION Allow to dry thoroughly before

immersion PH 8.4

Remarks

• If the application must be done in full sun or in dry wind and there is a danger that the coating will dry too quickly inside the bottle, you should try to put a little water on the surface of the bottle without mixing it so that, when you take out the brush, the product comes out wet and refreshes the drying.

• It is advisable to keep the bottom to be sealed permanently moist to facilitate application.

Hidrocril

ELASTOMERIC RESIN-BASED COATING

How to use

- On the surface to be sealed, previously cleaned and moistened, a layer of 1-2 mm of product is applied with a trowel and then the surface is smoothed with the same clean trowel moistened with water, taking care not to leave any thickness on the sealed surface in order to avoid tear points when cleaning mechanically or that can slow down the advance of water.
- On smooth surfaces that require careful sealing, it is advisable to use a long-haired brush or brush, first applying a thin layer making sure that the brush is combed in the same direction and then apply a second layer perpendicular to the previous one in the form of a spade. Cracks, fissures and joints up to 3 cm thick can also be sealed impeccably. (See application form.



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The combination of high-quality products such as Pavigrout TXT R4, Pavimper 2C Rapid, Pavex Primer Plus and Hidrocril ensures that the rehabilitated structure maintains its functionality and aesthetics for many years to come.



System Application Company

Reconsar 2004

For the realization and execution of this project, the company Reconsar 2004 of Alcañiz (Zaragoza) in Spain, collaborated with great experience in the application of this system and small, medium and large-scale projects.

The contribution of this experience and methodical care in the mixtures, processes and different use of tools was key to the success of the project. Without a doubt, their contribution and experience were key to ensuring that the product, years later, is in perfect condition and offers its function.





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