

# 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/cm<sup>3</sup>
- Kneading water (in laboratory): 18%
- Mass density: 1.7 g/cm<sup>3</sup>
- Compression resistance: ≥15 N/mm<sup>2</sup>
- Chlorides determination: ≤0,05%
- Adherence for direct traction: ≥0,8 MPa
- Frost-thaw with salt immersion: ≥0,8 Mpa
- Capillary absorption: ≤ 0.5 kg/(m<sup>2</sup>x h<sup>0.5</sup>)
- 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.

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## 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

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.