



#### **APLICATIONS /**

- Reconstruction of the reinforcement in concrete structures.
- Repair of columns, beams, overhangs, pillars, balconies, concrete degraded areas... on reinforcement corrosion and rapid setting required.
- Repair of surfaces exposed to heavy abrasion (canals, pavements, ramps...).
- Adjustment of walls, tunnels...
- Restoration and repair of viaduct in roads.
- Indoor and outdoor.

#### **SUPPORTED /**

- Concrete and cement
- Standard concrete block

#### **APPLCATION RECOMMENDATIONS /**

- Application temperature between 10-30°C
- In areas where iron frame appears, clean with sandblast or wire brush and cover with anticorrosion mortar **Pavifer** and let dry at least 1 hour.
- Do not apply **Pavigrout -R4** on supports of smooth concrete (before grinding and open pore)
- Do not use pouring through fillings.
- Remove deteriorated concrete, with any release up to a solid support.

## **Repair mortar thixotropic**

### **PAVIGROUT-R4**

#### **DESCRIPTION /**

Made with cement high resistant, selected aggregates, special additives and reinforcement fiber.

#### **COMMENTS /**

- Wet well before the application of **Pavigrout- R4**.
- Do not add any additives to the mortar.
- Do not apply **Pavigrout - R4** on plaster or painted surfaces.
- Do not add water when the dough starts hardening.
- Do not apply where water can remain stagnant.
- Where necessary apply a second coat, applied before the first has been set.

#### **USE CHARACTERISTICS /**

- Rest time after mixing: 5 min.
- Mass life: 60 min. (20°C).
- Maximum thickness allowed: 3-15 cm (in layers of 5 cm).
- Start setting: 2-4 hours.

\* These times can vary considerably depending on ambient temperature.

#### **FEATURES /**

- Bulk density powder: 1.4 gr/cm<sup>3</sup>
- Mixing water: 18%
- Mass density: 1.7 g/cm<sup>3</sup>
- Adherence tensile  $\geq 2$  MPa
- Flexural strength  $\geq 10$  MPa
- Compression 28 days  $\geq 45$  MPa
- Ultimate tensile strength  $\geq 2$  Mpa
- Dynamic modulus of elasticity  $\geq 20$  GPa
- Freeze-thaw  $\geq 2.0$  Mpa
- Capillary absorption  $\leq 0.5$  kg/(m<sup>2</sup>xh<sup>05</sup>)

\* These results were obtained in standard conditions and may vary depending on the placing.



MORTAR  
**PAVIGROUT-R4**  
REPAIR

**EXECUTION CONDICIONS /**

- The supports must be clean up, stable and resistant, frees of dust, plaster, paint...
- Remove deteriorated, degraded concrete until get to solid resistant and rugged.
- Before the application of **Pavigrout-R4**, wet to saturation and apply when the surface be free of water.
- In structural repair and with the appearing of the frame, clean with sandblaster, remove dust and cover with anticorrosion mortar **Pavifer**, let dry at least 1 hour.
- On paraments without absorption, concrete walls...use quick primer **F-300** or junction **F-800**.
- Avoid applying the coating at low temperatures, strong humidity, rain... In the hours after applying the mortar increases the risk of efflorescence by carbonation.

**HOW TO USE /**

\*Manual mixing:  
Mix one bag of **Pavigrout-R4** (25kg) with 4-5.5 litres of clean water until obtain a homogeneous mass.



\*Projected with plaster machine:  
Mix the mortar with 18-20% approx. of clean water.

\*In areas where appears the iron of the frame, clean and apply anticorrosion mortar **Pavifer**, let dry at least 1 hour.



\*Apply the last coat of **Pavigrout-R4** and give the desired finish.

\*Place the fiberglass mesh or metallic, in areas with risk of cracking.

**PRODUCT****PAVIGROUT-R4****Repair mortar  
thixotropic**

- High performance
- Suitable for cleaning up the concrete
- Mortar of controlled shrink
- High resistance immediately
- Armed with fibers
- Without fissures

**PRESENTATION /**

Paper bags of 25 kg.  
Moisture-proof.  
Pallets of 1200 kg (48 Bags).

**COLORES /**

White and gray.

**YIELD /**

1.4 kg/m<sup>2</sup> and mm of thickness.

**STORAGE /**

6 months since manufacture date in original closed container and shelter.

