

This product has been granted the European conformity mark  (System 2+) PRODUCT No. : 3.176

## PREMHOR STREET

Quick-setting and hardening mortar for sealing and anchoring street furniture

“Incorporates IST technology”

### DESCRIPTION:

Quick setting and hardening, polymer-modified, non-shrink, cement-based mortar, specially designed for sealing and anchoring street furniture and drains, as well as repairs which require a rapid return to service. The principal innovation of this cement-based mortar is that its formula incorporates brand-new **IST (Invariable Set Time) technology** developed by **SATECMA**, which makes it possible to obtain a practically constant set time across all temperature ranges under which application is recommended. With the introduction of this technology we are challenging the natural setting behaviour of cement-based products and we avoid the usual drawbacks inherent to this type of product which have an ideal set time when the temperature is 20°C but which, in low temperatures, can often take too long to set, thereby making a rapid return to service unfeasible.

### USES:

**PREMHOR STREET**, due to its quick setting and hardening capacity, is specially recommended for sealing and anchoring drains, manholes and all manner of street furniture, for anchoring pillars, and any type of repair work which requires a rapid return to service. Suitable for both indoor and outdoor applications.

### SURFACE PREPARATION:

The surface must be solid (with a tensile strength of more than 1 NB/mm<sup>2</sup>), and must be clean and free from grease, oil, paint residue, grout, loose materials, sand, dust or any other contaminant. We recommend that the surface is properly prepared, preferably by mechanical means (sand blasting, vigorous brushing etc.). Surfaces that are very smooth and/or barely porous should be treated in much the same way, preferably by mechanical means, so that they become suitably rough and porous. When repairing imperfections and patches, the surface should be cleaned up in advance and any loose material eliminated, using a chisel if necessary, so that the edges of the area to be treated are left straight. When repairing cracks or fissures, open them up properly along their breadth, length and depth so that they become vertical cuts. Leave cross sections and wash the zone that is to be repaired with water. Saturate very absorbent surfaces with water - avoiding puddles - and then wait until the surface takes on a matte appearance before you begin to apply the product.

### INSTRUCTIONS:

**PREMHOR STREET** should be mixed with clean water and stirred using a mechanical shaker, set at a low speed, until a homogeneous, lump-free paste is obtained. We recommend that you mix one 25 kg bag of the product with approximately 3.25 - 3.50 litres of water. Once the mixture is ready, apply the product immediately. After you have prepared the mixture, no more than 5-10 minutes should go by before you apply it. The product sets in approx. 15-20 minutes. Do not mix more **PREMHOR STREET** than necessary, so as not to exceed the pot life of the paste

### APPLICATION:

The paste made from **PREMHOR STREET** and water should be applied to the areas that need to be repaired. Use a trowel to fill in cavities, imperfections, patches, cracks etc. Once you have spread the paste, wet the trowel and use it to smooth it down. You should not try to apply a layer of **PREMHOR STREET** of more than 3 cm at any one time. If greater thicknesses are required, apply various coats and pay particular attention to ensure that they have cured and to protect them from drying prematurely during the first few hours.

## SPECIAL APPLICATIONS:

To improve and to increase its mechanical strength, its water impermeability, its resistance to carbonic anhydrides or chlorides or its adherence to certain surfaces, it is recommended that you add **CRYLADIT** to the water used to mix the **PREMHOR STREET**. As a guideline, one bag of the product will need 1.75 - 2 litres of water and 1.5 litres of **CRYLADIT**, although you may wish to use larger doses of **CRYLADIT**, in which case the improvements it provides will increase proportionately. First of all, mix the water with the **CRYLADIT** and then add this mixture to the **PREMHOR STREET**.

**PREMHOR STREET** adheres extremely well to properly prepared concrete although in applications where due to their specific characteristics even greater adhesion is required, or in the case of very absorbent surfaces, then it is recommended that you apply primer products such as **TECMA PAINT AD** or **TECMA PAINT R** to such surfaces when perfectly dry, and then apply **PREMHOR STREET** while the primer is still fresh.

## SPECIAL RECOMMENDATIONS:

- Do not mix more **PREMHOR STREET** than is needed for a correct application and bear in mind the pot life of the paste.
- Do not add any other material to the product other than those that are specifically required for the mixture.
- Do not apply when the temperature falls below 5°C, nor when it exceeds 35°C.
- Do not apply on frozen or frosty surfaces.
- Dampen the surface before applying **PREMHOR STREET**.
- When you have applied **PREMHOR STREET** keep it well protected during the first few hours as it cures, particularly in warm weather.
- Do not apply a coat any thicker than 3 cm at any one time.
- Do not add more water to the mortar than the specified amount.

## ACCREDITATIONS:

Marked **CE** as compliant with standard **EN 1504-3 (system 2+)** and with European construction products regulations.

## TECHNICAL DATA:

Apparent density of the component in powder form	1.28 g/cm <sup>3</sup>
Granulometry (EN 12192-1)	0 – 2 mm
Pot life	Approx. 5-10 minutes
Temperature of application	from +5 to +35°C
Apparent density of the fresh mortar (EN 1015-6)	2180 kg/m <sup>3</sup>
Setting time (EN 13294)	15-30 minutes.
Chloride ions content (EN 115-17)	< 0.05%
Compression resistance (EN 12190)	> 8.0 Mpa (1 hour) / > 60.0 MPa (28 days)
Flexotensile strength (EN 196-1)	> 2.0 MPa (1 hour) / > 9.0 MPa (28 days)
Adherence on a concrete structure (EN 1542) (28 days)	> 2.0 MPa
Controlled shrinkage / expansion (EN 12617-4)	> 2.0 MPa / Compliant
Elasticity module (EN 13412)	> 20 GPa
Carbonation resistance (EN 13295)	Pass
Dangerous substances (EN 1504-2)	Complies with section 5.4 of standard EN 1504-3

## PRESENTATION AND STORAGE:

**PREMHOR STREET** comes in 25 kg net multiply paper bags. **PREMHOR STREET** must be kept sealed in the original bags. The estimated storage period, in the original bags, should not exceed 12 months.

