



FUTUR-HIGROSMART-SILEX

MINERALIZING MORTAR FOR WATERPROOFING AND PROTECTION OF CONCRETE UNDER PRESSURE AND AGAINST PRESSURE

Waterproofing mineralizing mortar that contains a mixture of silicates that penetrate the concrete by osmosis, which react with the free lime of the support forming insoluble crystals, plugging microcracks and capillaries.

PROPERTIES

Resistant to positive or negative pressure.
Permeable to water vapor.
Resistant to seawater and wastewater.
Completely waterproof.
Easy and quick to apply (single component.)
Long-lasting and economical treatments.

PHYSICAL-CHEMICAL CHARACTERISTICS

Appearance*:	Powder	
Color*:	Grey	
Density at 20 °C*:	1.75 ± 0.050 Kg/L (20 °C, ASTM D1475)	
Application time:	30-45 minutes (25 °C)	
Application temperature:	Minimum: 5 °C	Maximum: 35 °C
Complies with CE marking standards, in accordance with directive 97/740/EC Has DIT and CE marking		

* Quality specifications.

MODE OF USE

Before applying the product, check that the support is clean and free of traces of oil, grease, silicone, contaminating waxes or soil materials. If repair is needed, apply appropriate repair mortars. Moisten the support to prevent it from drying too quickly, avoiding leaving puddles of water. water.

Apply with a brush, brush or projection.

Mix 25 kg of the product with 8-10 liters of water using a low speed agitator. Once a homogeneous mixture is obtained, apply the product in 2 layers with an approximate yield of 0.750-1.250 Kg/m².

Always apply the first layer on a damp support and the second must be applied over the first before it has completely set.

In hot periods, it is advisable that once setting has started, the treated wall is sprayed with water to prevent the product from drying out too quickly.

Do not apply at ambient temperatures below 5 °C or above 35 °C.

The application of the product by sprinkling or troweling will be carried out when the concrete, which is still fresh and regulated, begins to have resistance to being walked on, but grout can still be removed by troweling. We must sprinkle the product taking care of the continuity and coverage of the application with an approximate consumption of 1.5 to 2.5 Kg/m². Water to avoid drying out of the slab and avoid rough troweling. Trowel to obtain



a surface film (can be watered for better penetration). You can also sprinkle it on cleaning concrete and on steel reinforcements. This protects and prevents moisture from rising into the foundation slabs. The cleaning concrete will be moistened until saturation, sprinkle FUTUR-HIGROSMART-SILEX on top. The concrete of the foundation slab can be poured later, once the product has hardened and adhered to the cleaning concrete, taking care not to damage the previous application.

The applied product must be protected from moisture, especially rain during the hardening process (10-12 hours). To clean materials and utensils, use water before the product hardens. Once the product has hardened it can only be removed by mechanical means.

APPLICATIONS

Very useful in all types of construction companies, quick repair contracts, masonry in general, community maintenance, repair and restoration of buildings, industrial flooring, etc.

Application as:

Waterproofing and protection of concrete, water tanks, silos, irrigation channels, dams, retaining walls, walls, slabs, concrete blocks, prefabricated panels.

Basements and structures under pressure and against pressure.

Tunnels and elevator pits.

Quick repairs for pipe bursts even against pressure.

The information and recommendations we provide are based on our Research and experience and we believe they are correct. Since the application of the products by our Clients is beyond our control, we cannot assume responsibilities arising from misuse of our products.