

Neopress® Crystal

Crystalline penetrate waterproofing mortar

Fields of application

Neopress® Crystal is a brushable, cementitious crystalline material, suitable for insulating and waterproofing of concrete. It is Ideal for water tanks, wells, silos, underground rooms and basements, tunnels, walls, as well as surfaces to be covered with tiles.

Properties

- Excellent adhesion on concrete, cement mortars, bricks, cement blocks, mosaic, etc.
- Penetrates and reacts with moisture and generates insoluble crystals which fills and seals the pores of the surface offering total impermeability to water.
- Shows resistance to positive and negative hydrostatic pressure and bridges cracks and cavities
- **Neopress® Crystal** remains reactive, in case of moisture presence and seal capillary cracks up to 0,4mm.

Technical characteristics

Consumption	1,6-1,7 kg/m ² for vertical surfaces and 2,2-2,4 kg/m ² for horizontal in 2 layers
Capillary absorption and water permeability (EN 13057)	0,055 kg/(m ² x h ^{0,5})
Water vapor permeability	S _d =0,044m
Adhesive strength (EN 1542:2001)	1,75 N/mm ²
Flexural strength (EN 12190)	6,9 N/mm ²
Compressive strength (EN 12190 Class I>35 , Class II>50)	49,80 N/mm ² (polyamide wheels).
CO ₂ permeability (EN 1062-6 Method A requirement S _d >50m)	70,66m
Crack bridging (EN 1062-7)	1,19mm

Instructions for use

Surface preparation: The substrate should be clean, free from dust, greasy or oily substances, poorly adhering material, and should be sufficiently damp. Use high pressure water jet and abrasive blast cleaning equipment, to remove cement laitance and achieve an open textured surface.

Mixture preparation: Add 25 kg Neopress® into 7-7,5 kg water and mix with a low speed mechanical stirrer, till you obtain a homogeneous paste without lumps.

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Neopress[®] Crystal

Application: Apply the mixture using a brush. When the first coat is dry (after 4 to 6 hours depending on weather conditions), apply the second layer working in a direction vertical to the way the first coat was applied. The first coat should be sufficiently damp to ensure good adhesion and bonding with the second one.

If flexibility is required dilute 4 kg **Revinex[®]** with 4 kg water and gradually add 25 kg **Neopress[®]**.

Notes

During the summer or whenever the weather is hot, it is advisable to dampen the coat after the application of the mortar to avoid dehydration and crack formation. Do not apply at temperatures less than 5 °C.

Colours

Grey

Packing

Carton bags 25kg

Storage stability

12 months when kept in the unopened original container, in a dry environment protected from humidity and direct sunlight.
