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SurfaPore™ FX WB

Nanotechnology-based hybrid liquid for the protection of mineral surfaces.

Product Description

SurfaPore™ FX WB is a water-based suspension that improves the mechanical strength of building materials, stabilizes fragile and sensitive surfaces and makes them hydrophobic at the same time. After application, the nanoparticles penetrate the substrate, chemically attach to the application surface and covalently interconnect between them. Thus, they form a dense network that improves the mechanical properties of worn or damaged surfaces. damaged.

Because the active ingredient is also inorganic, SurfaPore™ FX WB exhibits a chemical affinity strong with building materials. Nanoparticles do not seal pores, but support the "walls" of cracks or crevices of the worn substrate. Thus, the natural appearance, water vapor permeability and porosity of the surfaces TREATED I remain unaffected.

SurfaPore™ FX WB creates a uniform surface with increased durability against acids. The ease of application makes SurfaPore™ FX WB suitable for both protecting and repairing damaged surfaces.

The complete absence of resins, its inorganic composition and nanometric particle size provide weather protection. on term long and resistance TO

Recommended use

Ideal for "stressed" or cracked construction surfaces, interior or exterior, such as stucco, mortar, plasters and cement-based materials, sandstone and porous stones, marble and clay-based tiles.

BENEFITS

- Improving the compressive, tensile and flexural strength of building materials
- Stabilizes weakened materials
- Does not affect porosity or water vapor permeability
- Does not change the natural appearance
- Inorganic liquid formulation - Does not form a film
- Durable, weatherproof and UV resistant
- Acid resistant

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Technical specifications

Product description

Type ÿ Aqueous suspension

Color ÿ Transparent

Odor ÿ Faint

Density ÿ 1.10 ÿ 0.05 g/cm3

Application temperature ÿ From +5ÿC to +35ÿC

pH ÿ 12.1 ÿ 0.5 @25ÿC

Boiling & Flash Pointÿ >100°C

Flash Pointÿ >100°C

Flowtime (Ford cup N04) ÿ 11.7 sec @25ÿC

Liquid Water Permeability (kg/ (m2h0.5) ÿ W= 0.048 ÿg*m2/h1/2

SurfaPore™ FX WB is not considered an oxidizing or corrosive agent

Surface preparation

Product description

The surface must be dry, free of dust, oils, salts, grease, rust and loose residues.

New cement substrates or new masonry must be cured for more than 4 weeks.

before applying SurfaPore™ FX WB.

Application instructions

Product description

Shake well before use. SurfaPore™ FX WB can be applied by roller, brush or spray without dilution. On very absorbent surfaces, it is recommended to apply a second coat 15 minutes after the first application. Any excess should be removed. After drying, it is recommended to lightly brush the surface with a dry brush.

Coverage rate

Product description

6-8 m²/L, depending on the absorption of the application surface.

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Storage

Product description

Store in tightly closed packaging, in a well-ventilated area, strictly at a temperature between 5°C and 35°C, away from direct sunlight and frost. Unfavorable storage conditions may affect the quality of the product.

Health and safety

Product description

Read the product label before use. The Safety Data Sheet is available on the NanoPhos website. www.NanoPhos.com or upon request by contacting NanoPhos via email at info@NanoPhos.com or by phone at (+30) 2292069312.

pack

Product description

- 1L Plastic bottle
- 4L Plastic canister
- 10L Plastic canister

Disclaimer: The recommendations in the Product Data Sheet for the use of NanoPhos products are based on our scientific knowledge , laboratory studies and long experience . The information provided must considered indicative and subject to constant review, depending on the specific conditions and each practical application. The suitability of the product must be verified in each case for the specific use and the end user bears the entire risk . sole responsibility for any side effects that may arise from incorrect use of the product.
This edition of this data sheet automatically cancels any previous edition relating to the same product.
For more information , please contact NanoPhos at info@NanoPhos.com.

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