Surfa**Pore™ C**

Water-repellant agent for concrete surfaces, joints, stones, coatings, natural and technical stones

Product Description

Surfa**Pore™ C** is a water-based solution based on nanotechnology that achieves effective water-repellency and protection of structural surfaces. Surfa**Pore™ C** penetrates porous substrates, capillaries and microcracks more effectively than conventional impregnation products. Unlike conventional products, which create a "plastic" protective film, Surfa**Pore™ C** impregnates, waterproofs and protects surfaces by penetrating deep into the pores of cementitious materials without creating a film or change the surface appearance. In case of internal leakage or dampness, surfaces modified with Surfa**Pore™ C** allow water to be transported only from the interior of the wall or building to the environment through evaporation. Surfaces modified with Surfa**Pore™ C** is not affected by abrasion, stress or mechanical wear and are more resistant to solar radiation (UV radiation), therefore, they do not yellow and show prolonged durability. Surfa**Pore™ C** is CE marked.

Recommended Use

Water-repellant agent for porous surfaces such as cement, stones, walls and joints. Ideal for walls and basements, roof waterproofing, coating protection, preventing the growth of 'blackness', mould, moss & lichen, preventing scale build-up, protecting joints and preventing rising damp in walls.

Key Benefits

- Highly active nanotechnology composition
- Permeability of the surface after application
- Non film forming
- Does not alter the appearance of the application surface
- Long lasting & UV resistant
- Odorless and environmentally friendly
- Cost effective

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Technical Specifications

Type	Aqueous suspension
Color	Milky White
Density	1.00 ± 0.05 g/cm³
Application Temperature	Από +5°C έως+35°C
pH	5.5 ± 0.5
VOC (Volatile Organic Compounds)	<0.1 g/L
Flowtime (Ford cup N₀ 4)	11.9sec @20°C
Moisture absorption at low pressure (RILEM Test Method 11.4)	0 cm³ (19cm³ reference sample)
Capillary water absorption (EN 1015-18:2003)	C_m=0.08 kg/(m²·min$^{1/2}$) (C_m=0.33 kg/(m²·min$^{1/2}$) for reference sample)

CE
0038

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SurfaPore C
Concrete surface protection systems
Water-repellent impregnation
EN 1504-2

Depth of penetration: Class II ≥ 10mm

Water absorption and alkali resistance:

- Absorption <7.5% compared to non-hydrophobic sample
- Absorption <10% after immersion in alkaline solution

Hazardous substances: According to Regulation 1907/2006 REACH, the product does not contain substances of high concern.

Drying rate factor: Class I > 30%

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Surface Preparation

All surfaces must be clean, dry, free of dust, oils, salts, grease, rust and loose residue. New cement substrates or new masonry should have matured for more than 4 weeks before applying Surfa**Pore™ C**.

Application Instructions

Shake well before use. Surfa**Pore™ C** can be applied with roller, brush or spray without dilution. On highly absorbent surfaces, it is recommended to apply a second "hand", within 3 hours of the first application. In any case, test it. Full curing is fully achieved in 24 hours after application.

Spreading Rate

8-10 m^2/L, accordingly to the absorbance of surface application.

Storage

Store in well closed package, in a well-ventilated area, strictly at a temperature of 5°C to 35°C, away from sunlight and frost. Inclement storage conditions may affect product quality.

Health & Safety

Read the label of the product before use. Safety Data Sheet is available through NanoPhos' website www.NanoPhos.com or upon request by contacting NanoPhos through email: info@NanoPhos.com or by telephone: (+30) 2292069312.

Available Packaging

- 1L Plastic bottle
- 4L Plastic canister
- 10L Plastic canister
- 30L Plastic canister
- 1000L pallet tank

Disclaimer: The Technical Data Sheet recommendations for the use of NanoPhos' products are based on our scientific knowledge, laboratory studies and long-term experience. The information provided must be considered indicative and subject to constant review based on specific conditions and each practical application. The suitability of the product should be examined in each case for specific use and the end user bears full & exclusive responsibility for any side effects that may arise from the incorrect use of the product. The present edition of this technical datasheet automatically cancels any previous one concerning the same product. For more information please contact NanoPhos: info@NanoPhos.com

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