

Nano-impregnation for protecting porous surfaces

Description

Water-based emulsion with high penetrating ability, based on nano-molecular structure. Protects porous surfaces, from moisture and salt stains, while prevents from fungi-mould growth. After it has dried, it is transparent. It does not become yellow due to UV radiation and permits breathing of the structure. It does not form a skin on the application surface and does not alter its appearance. Certified with the CE marking as a hydrophobic impregnation, according to EN 1504-2.

Fields of application

NANOPRO- C is used to protect from moisture and salt stains porous substrates such as surfaces of concrete, masonry, plaster, tile grouts, gypsum boards, chip boards, natural stone etc. Suitable for indoor and outdoor application.

Technical data

Form:	emulsion
Color:	white
Density:	0,99 kg/l
pH:	7,5
Depth of penetration:	Class I <10 mm
Water absorption and resistance to alkali: (EN 13580)	Absorption ratio <7,5% compared with the untreated specimen, Absorption ratio <10% after immersion in alkali solution
Drying rate coefficient: (EN 13579)	Class II >10%

Cleaning of tools:

Tools are cleaned with water immediately after use.

Directions for use

1. Substrate

The surface to be primed must be dry and free of dust, grease, dirt etc.

2. Application

NANOPRO-C is thoroughly stirred and uniformly applied on the substrate by brush, roller or spraying, until full impregnation. On very porous substrates a second layer might be required, which is applied within 3 hours after the first one. Total resistance in absorbing moisture is achieved 2 days after the application.

Consumption

100-200 ml/m², depending on the absorptivity of the substrate.

Packaging

NANOPRO-C is available in plastic containers of 1l, 5l and 20l.

Storage

24 months from production date if stored in original, unopened packaging, in temperature between +5°C and +35°C. Protect from direct sun exposure and frost.

Remarks

Temperature during application must be between +5°C to +30°C.

NANOPRO-C



Volatile organic compounds (VOCs)

According to the Directive 2004/42/CE (Annex II, table A), the maximum allowed VOC content for the product subcategory g, type WB is 30g/l (2010) for the ready to use product. The ready to use product NANOPRO-C contains max <30 g/l VOC.



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12

EN 1504-2

surface protection products

hydrophobic impregnation

Depth of penetration: Class I < 10 mm

Water absorption and resistance to alkali:

Absorption ratio <7,5% compared with the untreated specimen,

Absorption ratio <10% after immersion in alkali solution

Drying rate: Class II > 10%

Dangerous substances comply with 5.3

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BUILDING CHEMICALS AND MORTARS

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