

Technical Datasheet

NANOPRO-C

Nano-impregnation for protecting porous surfaces

Description

Water-based emulsion with high-penetration ability, based on nanomolecular structure, designed to protect porous surfaces from moisture and salt stains and prevent fungi-mold growth. After drying, it is transparent. It does not become yellow due to UV radiation and allows the structure to breathe. It does not form a skin on the application surface and does not alter its appearance. Certified according to EN 1504-2 and classified as a hydrophobic impregnation. CE marked.

Fields of application

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

Technical data

Form:	emulsion
Color:	transparent off-white, transparent once dry
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 to 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 to the substrate by brush, roller or spray until full impregnation.

For 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 substrate absorbency.

Packaging

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

Storage

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

Remarks

Temperature during application must be between +5°C and +35°C.

Volatile organic compounds (VOCs)

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

The ready-to-use product NANOPRO-C contains max 30 g/l VOC.

NANOPRO-C

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12

EN 1504-2

DOP No. NANOPRO-C/1419-02

surface protection products
hydrophobic impregnation

Depth of penetration: Class I < 10 mm

Water absorption and resistance to alkali:

Absorption ratio < 7.5% compared to the
untreated specimen,

Absorption ratio < 10% after immersion in
alkali solution

Drying rate: Class II > 10%

Dangerous substances comply with 5.3

ISOMAT S.A.

BUILDING CHEMICALS AND MORTARS

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