



WATER REPELLENT NANOSTRUCTURED IMPREGNATION COMPOUND

Product Description

Nano PoreKote C is an innovative water repellent with waterproofing properties. It is a water-based nano-emulsion that exhibits high penetration ability & hydrophobic performance, suitable for exterior and interior building surfaces. Nano PoreKote C shows resistance against UV and alkalis.

Fields of Application

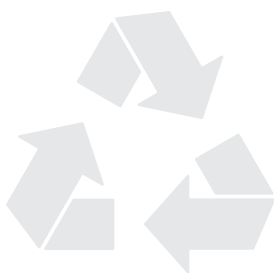
Nano PoreKote C is suitable for the impregnation of vertical, horizontal or inclined mineral porous substrates, such as:

- ↳ concrete, plasters and renderings,
- ↳ asbestos cement and concrete
- ↳ bricks and roof tiles

**All the surfaces have to be continuous without cracks.*

Properties-Advantages

- High penetration and deep waterproofing, due to its nano-molecular structure, reducing the water uptake
- Early water repellence, reacting chemically and bonding with the substrate, thus providing durable hydrophobicity
- It is resistant to alkalis and prevents from efflorescence
- Improves heat insulating properties on the substrate, reducing the heat conductivity
- Reduces dirt pick-up and limits fungal growth, allowing the surfaces at the same time to breathe
- Does not form a films
- Does not change the original appearance of the surface
- Solvent-free, VOC-free and PFOA-free (does not contain toxic substances)
- Easy to apply
- Resistant to temperatures up to +80oC



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Technical Characteristic

Appearance/Color	Milky white liquid
Density (EN ISO 2811.01)	1.00 ± 0.01 kg/l
Consumption	100-200ml/m ² (The consumption depends on the application method and the absorptivity of the substrate)
Drying time (250C, 65% RH)	1 hour
Recoating time (250C, 65% RH)	< 2 hours
Full cure time (250C, 65% RH)	24 hours
Water penetration value (RILEM Test Method 11.4)	0.00 ml/min (concrete surface)
Liquid water permeability (EN 1062-3)	0.0001 Kg/m ² h ^{0.5}

Application Condition

Relative atmospheric humidity	< 80%
Surface humidity content	< 4%
Application temperature	+5°C - +35°C

Instructions for use

Surface preparation: Clean the surface from dust, mildew, dirt or any poorly adhering material. Use mechanical means or water blasting to clean the substrate. Avoid the use of detergents or soap, as they affect the adhesion of the product to the surface.

Application: Nano PoreKote C is ready for use. Apply two layers on a dry surface with a brush, roller, or spray gun, working from the lower to the higher part of the substrate on vertical surface. Apply the second layer at around 2 hours after the first layer.

When the temperature is higher than +35°C / mist water (30g tap water/sqm) on the surface and after 5 minutes apply the PoreKote C .

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Special Notes

It will reach its full repellence to water within a few hours after its application and when the surface has been saturated during the application.

Nano PoreKote C should not be applied under wet conditions, or if wet conditions are expected to prevail during the drying period. If the surface has been cleaned by water blasting, it is advisable to let it dry for 2 - 3 days and apply the product afterwards.

In case of application on fresh concrete allow 28 days for the curing time to pass between the casting new concrete and the product's application.

Nano PoreKote C is not resistant to acids.

Nano PoreKote C is not compatible with limestone and marbles.

Packaging

5 LITRES - 20 LITRES - 200 LITRES

Cleaning of Tools

Use tap water

Storage Stability

Nano PoreKote C is stable for 24 months when kept unopened in its original container, protected from frost and direct sunlight.



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