



WATER REPELLENT NANOSTRUCTURED IMPREGNATION COMPOUND FOR THE PROTECTION OF WOODEN SURFACES

Product Description

Nano PoreKote W is an innovative water repellent compound ideal for the protection of wood. It is a water-based fluorinated nano-emulsion that exhibits high penetration ability & hydrophobic performance, suitable for exterior and interior wooden surfaces. **Nano PoreKote W** shows resistance against UV.

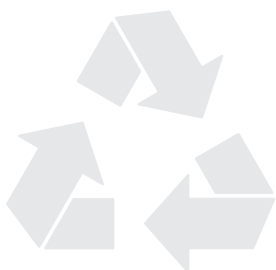
Fields of Application

Nano PoreKote W is suitable for the impregnation of wooden substrates, such as:

- ↳ Hardwoods, like oak and cherry
- ↳ Softwoods, like pine, ash and beech

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 molecules on the surface of the wood
- It prevents from blue stain
- Reduces dirt pick-up and limits fungal growth, allowing it at the same time to breathe
- Does not form sticky silicone 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



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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 wood)
Drying time (25°C, 65% RH)	1 hour
Recoating time (25°C, 65% RH)	< 2 hours
Full cure time (25°C, 65% RH)	24 hours
Water penetration value (RILEM Test Method 11.4)	0.00 ml/min (pine)
Liquid water permeability (EN 1062-3)	0.0005 Kg/m ² h ^{0.5}

Application Condition

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

Consumption:

Hardwood: 100=120ml/m²

Softwood: 150-200ml/m²

(The consumption depends on the application method and the absorptivity of the substrate)

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 W is ready for use. Apply one layer on a dry wooden surface with a brush, roller, or spray gun. Apply a second layer at less than 2 hours after the first layer.

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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 W should not be applied under wet conditions, or if wet conditions are expected to prevail during the drying period.

Packaging

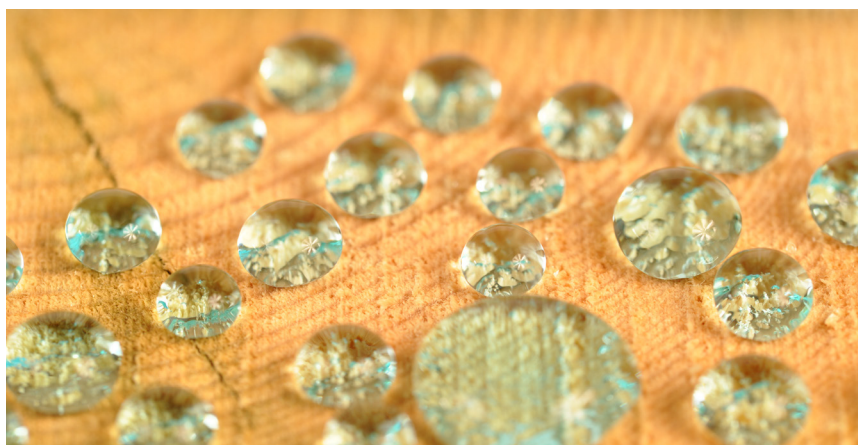
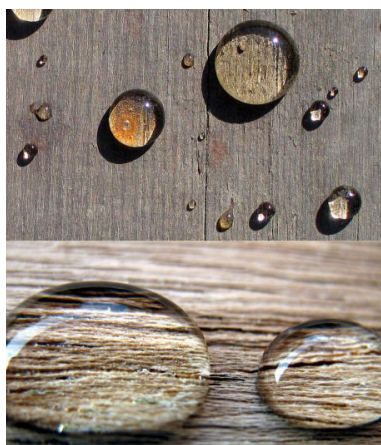
5 LITRES - 20 LITRES - 200 LITRES

Cleaning of Tools

Use tap water

Storage Stability

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



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