

# NANO PROOF WOOD DS-350



Water repelling - waterproofing agent for wood surfaces



## PROPERTIES

Water repelling, waterproofing agent, without solvents. Its nanomolar formula allows to penetrate deeply into wood, regardless of its type or density creating a powerful water repelling, invisible protection shield that ensures long life to wood surfaces and without problems from UV radiation and constant humidity, in urban, mountain or even coastal environment.

Abrasion, impact and other mechanical stresses, will not affect the protection shield provided by NANO PROOF WOOD DS-350 to the wood surfaces. Its use will considerably delay any age-related deterioration.

It does not create a surface film thus it does not peel nor shine. It does not affect the look of wood or its breathability. It prevents any penetration of dirt, so it does not stain or yellow. It is odorless, water-soluble, user and environment friendly.

## APPLICATIONS

NANO PROOF WOOD DS-350 suitable for the protection of indoor and outdoor wood surfaces. Applied to wooden absorbent surfaces such as

garden furniture, wood sheds and fences, as well as recreational boat decks and any other wood object that needs long term protection from water.

## USE

### 1. Surface preparation

Surfaces must be clean, dry and free of dust, salts, grease and any loose materials.

### 2. Application

Apply one even coat throughout the surface, using a brush, a roller or an airless spray gun. Allow for 10-15 minutes to pass and use a damp, soft cloth, to remove any excess product that was not absorbed. When dealing with very absorbent surfaces, apply a second coat while the first one is still wet. Painted, varnished or coated surfaces are not suitable for applying NANO PROOF WOOD DS-350 because the film created on those surfaces does not allow for any penetration of the product. In cases we need to waterproof those surfaces, proceed by completely removing the finishing coat (paint, varnish

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etc.) by using the appropriate grade of sandpaper.

Surfaces waterproofed with NANO PROOF WOOD DS-350, after 24 hours, can be treated with a solvent based wood protection system. Use products such as DUROXYL impregnation preservative, combined with the varnish for wood protection and decoration, DUROLAC or MARINER. Equally, use the water-based wood protection systems, such as the DUROSTICK AQUA series.

## NOTES

- Stir well before use
- Complete waterproofing of the surfaces is achieved 24 hours after application

## USEFUL INFORMATION

- NANO PROOF WOOD DS-350 is highly recommended for industrial use as an additive into the pressure treated solutions, applied through the wood mass to protect it.
- The application of the product in a stage before the final processing in the construction of particle boards, gives water repellent properties to the final product.

## CLEANING

Clean tools immediately after use with water and if necessary with soap or detergent solution.

## CONSUMPTION

1lt/6-8m<sup>2</sup>, depending on the absorbency of the surface

## STORAGE

Store in cool places, protected from frost for at least 24 months from production date.

## SAFETY DIRECTIONS

The product needs no hazard labeling under current European and national legislation. However, it is recommended to keep away from the reach of children. If swallowed, seek medical advice and show the container or label.

## PACKAGING

- Carton box with 12pcs of 750ml each one
- 2.5lt container

## TECHNICAL SPECIFICATIONS

<b>Form - Color</b>	Polymer dispersion - White, becomes transparent when dry
<b>Density</b>	1.00±0.05 kg/l
<b>Application temperature</b>	From +5°C to +35°C
<b>pH</b>	7.0 ± 1.0
<b>Duration of waterproofing</b>	3 years (exterior waterproofing) 6 years (interior waterproofing)
<b>Water absorption coefficient</b>	W ≤ 0,5kg/m <sup>2</sup> √h
<b>Dilution</b>	The product is ready for use. It does not dilute.

## Odorless, user and environment friendly

## VOC (Volatile Organic Compounds):

Limit value of maximum content of V.O.C. per EU (Directive 2004/42/EC) for this product (category A/i: 'One-pack performance coatings', type WB): 140 gr/l (2010). The ready to use product contains maximum 50 gr/l V.O.C.

## THE PRODUCT WAS TESTED IN ACCORDANCE WITH THE INTERNATIONAL STANDARDS OF CERTIFICATION:

**ISO EN 539-1:** WATER PERMEABILITY TEST

**ASTM E514:** RESISTANCE TO WATER PENETRATION

**ISO EN 10545-7:** RESISTANCE TO ABRASION

**ISO EN 10545-14:** RESISTANCE IN STAINING

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The technical specifications and directions of use contained in this technical brochure are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.