

## WOOD SEALER

### WOOD NANO COATING SPRAY FOR WATER REPELLENT PROTECTION OF WOOD

Wood Protector, Water Repellent and Anti-swelling Nano coating Based on Nanotechnologies

Innovative Impregnating Coating for the Water Repellent Protection of Interior and Exterior Wood



#### Product description:

**Wood Sealer** is an innovative impregnating coating based on nanotechnology. **Wood Sealer** is hydrophobic clear coat for finishing of wooden surfaces. It has excellent UV resistance against yellowing, cracking or peeling. **Wood Sealer** can be used for all furniture and buildings. It protects wooden and wood-based surfaces from decay and air pollution by preventing water penetration into the wood surfaces that caused improving properties and also lifetime of wood. In addition, **Wood Sealer** helps to easy cleaning, stain removing and improving quality of indoor and outdoor surfaces. Treated surfaces have a strong beading effect and are resistant to swelling. **Wood Sealer** prevents water absorption by the wood and thus offers protection against stains, weathering and wood rot. wood surface become less susceptible to pick up dirt, and is fast and easy to clean. It has excellent UV resistance against yellowing, cracking or peeling.

#### Features and Benefits of Wood Sealer:

- Strong reduction in water uptake
- Excellent water repellent
- Preserves wood by repelling water to reduce swelling
- For both raw and painted wood surfaces
- Prevent water damages
- Penetrates deep into the wood for BEST reducing water uptake

- Enhance wood durability against weathering and aging
- Prevent cracking, decay and erosion of wood
- Suitable for the interior and exterior
- Retains natural breathability
- Non film forming, invisible
- Easy to apply
- Resistance to UV light
- Surfaces not rendered shiny or tacky, or caused to yellow

### **What surfaces Wood Sealer can be applied:**

- Wooden structures
- Pergolas
- Wooden garden furniture
- Wooden boats
- Wooden roofs and trusses
- Wooden fences
- Wooden floors
- Kitchen cabinets
- Bathroom cabinets and doors



### **Target Customers**

- Home owners
- Furniture retailers
- Hotels and restaurants
- Cruise ships and boats
- Military
- Sports clubs and hunters
- Community
- Wood product manufacturers
- Woodworker's supply stores
- Home supply stores

### Typical Product Data Property

Appearance	Clear liquid
Density, 25 °C	0.75 g/cm <sup>3</sup>
Flash Point	>40 °C
Method of Application	Ready-to-use / spray-polish

### Processing

#### **The Coating method on painted wooden surfaces, such as the door of the bathroom and toilet, or the dining table or any painted wooden artefacts and kitchen MDF cabinet with Wood Sealer:**

Before coating, the surface must be clean and dry. Old and flaky paint (if there is) must be removed from the surface through sanding before coating the surface.

Before use, shake the solution container well. Spray **Wood Sealer** on the desired surface. So that the entire surface is wet with **Wood Sealer** and it is spread over the entire surface with the help of a suitable cloth.

After 10 minutes, if you see any extra material that has not been absorbed, polish it with a towel or cloth (collect the extra material with a cloth).

To increase the protective and water repellency properties, repeat the spraying and polishing process again after thirty minutes to one hour.

It is better to use mask and gloves in all steps.

After coating with **Wood Sealer**, the surface takes 72 hours (at 25°C) to be fully cured. The time required for curing may vary depending on ambient temperatures.

It is necessary to know that periodic repetitions help to protect the surface, especially in situations where the quality of wood and MDF or the quality of paint is low.

#### **The Coating method on raw wooden surfaces:**

The coating method of this product is quite simple, easy, economical and practical.

For raw surfaces, just apply the **Wood Sealer** spray. Apply several coats, wet on wet, until the substrate is saturated. Generally, for optimal results, surfaces should be sprayed at least twice (wet-to-wet), depending on the absorbency of the surface you wish to protect. The process may need to be repeated.

After coating with **Wood Sealer**, the surface takes 72 hours (at 20°C) to be fully cured. The time required for curing may vary depending on ambient temperatures.

### Storage

2 years shelf life when stored in cool and dry place in closed containers at a temperature of 5-35 °C. Avoid solution contact with alkali, water and high humidity. The containers must be hermetically sealed.