

NexaNano Wood Protect is designed to make wood surfaces water repellent and stain resistant while providing UV and oxidation protection. It helps prevent microorganism growth and supports an extended wood surface life of 5–8 years, depending on weather exposure, surface condition, and application environment.

SURFACE COVERAGE

450-550 sq ft per gallon (1 single layer necessary)

MAIN CHARACTERISTICS

Easy application with spray

Strong durability

Environmentally friendly

Breathable

Allows aging

Does not peel off

Wood texture is preserved

Curing at room temperature

No VOC

UV stable

BASICS

Base SiO₂

Solvent water

Color Completely transparent and colorless

Rel. Density 68°F: ca 1,004 kg/l

Appearance 68°F: Liquid

Viscosity 68°F: 1 mPa.s

Curing time 24h*

Flashpoint does not apply

PH: 7.5

* 24h is a time indication for drying at room temperature. Low temperatures and high relative humidity slow down the drying process. For industrial applications, the process can be accelerated by using ventilation and/or heating elements such as infrared (122-176°F). Depending on factors, such as absorption by the substrate, drying time can be reduced to a few minutes. The material can then be packed. The coating must be cured for 24 hours before it can come into contact with water.

STORAGE & HANDLING

Shelf life of up to 2 years when stored properly.

Store between 40°F and 80°F and keep out of direct sunlight.

PRODUCT USES

Untreated wood, indoor and outdoor use. Suitable for chalets, gates, facades, etc. Some types of wood (merbau, oak) contain substances that, when in contact with the coating, can react ('bleeding', discoloring) and therefore not obtain the desired effect.

EFFICIENCY TESTS

Exceeds the Requirements of : ASTM D 3161, 4977, ASTM E 108, UL 2218

PRACTICE

The practical consumption depends on certain factors such as the grade of absorption of the substrate, condition and profile of the surface, method of application, experience and weather conditions.

SURFACE CONDITIONS

Clean and dry. It is very important that the surface to be treated is dry and cleaned properly. Sanding may be required.

APPLICATION CONDITIONS

For optimal results, following terms should be taken into consideration:

- Environmental temperature of 50-86°F
- Rel. Humidity maximum 85%
- Shake before use and do not dilute
- Application through spray (HVLP, 4bar, 0.7-1mm nozzle opening)**
- Sufficient ventilation during application and curing
- The use of gloves is recommended

** These values are recommended by NexaNano. These are, however, dependent on the field of application, weather conditions and user experience.

APPLICATION INSTRUCTIONS

- Clean the surface properly and allow enough time to dry, sanding can be necessary.
- Apply NexaNano Wood Protect with a HVLP- gun or Pesticide backpack.
- For optimal results, treat the whole surface and distribute the product evenly.
- Allow to cure for at least 24 hours. During this time, do not use the surface or let it make contact with water.
- Clean tools with demineralized water after use.
- Please consult the NexaNano Wood Protect safety data sheet for more elaborate application instructions.

Note: NexaNano Wood is not suitable for the treatment of already water repellent wood. To ensure the effectiveness of the coating, we always recommend testing a small piece of material before treating the entire surface. In this way, any unwanted discolouration can be detected at an early stage.

