

Product information

Nano-EcoLine Wood Basic is developed for natural wooden surfaces to provide hydrophobic and oleophobic properties against common liquids and stains, while also offering an easy-to-clean effect. The product can be applied to various wooden surfaces.

Application surfaces

- Absorbent, porous and natural wooden surfaces.

Do not apply on

- Lacquered, painted or artificial wooden surfaces.
- Thermosets and thermoplastics.
- Mineral surfaces.

Advantages and key properties

- Water- and oil-repellent.
- Chemical resistance.
- UV protection.
- Breathable coating.
- Easy to clean.

Instructions

- Surfaces must be dry and free from dust, oil, grease and other contaminants.
- Apply in a shaded and well-ventilated area.
- Shake the product gently before use.
- Always test the product first on a small, inconspicuous area.

Application

Manual application

- We recommend testing first on a small area before treating the entire surface.
- Spray the required amount of product onto the surface using a spray bottle.

Pressure spraying

- Preferably apply the product to the final product only after tests have been carried out and optimal parameters have been determined.
- Use a spray system capable of homogeneous application; a nozzle diameter of 1-2 mm is suitable.
- Spray distance 10-20 cm and spray pressure 1-1.5 bar, depending on the other parameters.
- Apply the product in the required amount as a fine mist.

Curing

- Touch-dry after approx. 6 hours at 23 °C / 50% RH.
- Fully cured after approx. 24 hours at 23 °C / 50% RH.
- Accelerated curing is possible by applying heat; choose time and temperature depending on the type of surface.

Application tips

- Ensure that temperature and relative humidity (RH) are as close as possible to the specified values for best performance.
- If ambient temperature or RH is higher than recommended, the product may cure faster than expected.
- Avoid direct sunlight during application and work only on cool surfaces.
- If the product comes into contact with incompatible substances, wipe it off immediately with a dry and clean microfibre cloth.
- Ventilate the area well during the hours after application.
- After application, the surface should appear homogeneous.

Optimisation for pressure spraying

- If the surface appears too wet: reduce the flow rate, increase the spray distance, increase the spray pressure or widen the pattern.
- If repellency is insufficient: increase the flow rate, reduce the spray distance, lower the spray pressure or refine the pattern.

Technical data

Property	Value / Description
Appearance	Colourless liquid
Chemical resistance	1 < pH < 11
Dry film thickness	60–70 nm
Coverage	40–60 ml/m ²
Density @23°C	0.809 g/cm ³
pH value	1.9–2.2
Application temperature	5–30 °C (≤50% RH)
Temperature resistance	110 °C
REACH compliance	Yes
Durability	Up to 1 year
Storage	-3 °C to +30 °C (dry, well ventilated)
Shelf life	24 months unopened; after opening, preferably use within 1 month

Packaging units

Article number	Contents	Packaging type
NCN.W/1L	1 Litre	Bottle
NCN.W/5L	5 Litres	Jerrycan

Disclaimer

The technical information in this document is based on tests and practical experience considered reliable by NanoEnzo®. NanoEnzo® can only guarantee product quality at the time of delivery. NanoEnzo® accepts no liability for product performance, damage or consequential loss resulting from application outside the manufacturer's control. Please consult the safety data sheet (SDS) before using the product.