

Scope

Nano EcoLine Universal is a powerful alcohol-based coating for hard, non-absorbent surfaces. It forms an ultra-thin, transparent protective layer that helps significantly reduce the build-up of dirt, grease and limescale. As a result, surfaces stay cleaner for longer, are more hygienic and are much easier to maintain. The coating is colourless and virtually invisible, so the appearance of the surface remains unchanged. Water and dirt adhere less easily, making cleaning faster and requiring less effort.

Suitable for

- Glass, ceramics, sanitary ware and tiles.
- Stainless steel and aluminium.
- Painted or spray-coated surfaces.
- Plastics, PVC, plywood and Trespa® (HPL).
- Highly suitable for bathrooms, kitchens, healthcare environments and public areas.
- Always create a test area first to assess suitability and result.

Key properties

- Ultra-thin, transparent protective layer (virtually invisible).
- Helps strongly reduce dirt, grease and limescale adhesion (easy-clean effect).
- Hydrophobic.
- Durable protection and reduced maintenance effort.
- Easy to apply.
- Supports protection against algae and mould growth.

Application instructions

1. Surface preparation

- The surface must be completely clean, dry and free of grease. Remove dust, dirt, limescale, silicone, soap and cleaning residues. Clean if necessary, rinse with clean water and allow to dry completely. Degrease with IPA/isopropanol.
- Important: work on cool surfaces. Do not apply in direct sunlight. Do not apply during rain, mist, condensation or high humidity. Application temperature: +5 °C to +30 °C. Always make a test area.

2. Protect surrounding areas

- For spray/mist application, mask or cover adjacent areas that must not be treated (tape, paper, film).
- Prevent overspray on rubber parts, paintwork, untreated plastics, floors, furniture, natural stone and other sensitive surfaces. Remove residues immediately before curing.

Application instructions (continued)

3. Apply the coating

- Shake the container lightly. Mist a small amount onto the surface or onto a clean, lint-free microfibre cloth. Work in small sections. Spread immediately in a thin, even layer.
- Never use too much product. An ultra-thin layer gives the best result. Wet the surface evenly without runs, build-up or visible wet spots.

4. Buff off

- Lightly buff off within a few minutes using a dry, clean microfibre cloth. Remove any excess product.
- If haze/streaks/spots are visible: lightly re-wet with a small amount of product and buff off again immediately.

5. Curing

- Do not touch for at least 10–15 minutes. Lightly loadable after approx. 1 hour. Full curing/bonding after approx. 24 hours (room temperature).
- During curing: avoid rain, moisture, condensation, intensive cleaning, dirt load and mechanical stress.

6. Maintenance

- Prefer mild cleaners. Avoid aggressive acidic or alkaline cleaners.
- Regular maintenance extends the performance of the coating.

Technical data

Property	Value / description
Appearance	Clear, colourless liquid
Density	approx. 0.8 kg/L
Solvent	Isopropyl alcohol
Flash point	> 80 °C
Consumption	approx. 15 ml/m ² (depending on substrate and application)
Application temperature	Minimum +5 °C; relative humidity 30-80%
Drying time	Touch-dry after approx. 30 minutes
Full bonding	After approx. 1 day
Storage / shelf life	18 months after delivery, at approx. 20 °C

Packaging units

Article number	Content	Packaging type
BT.2.0.UNI/1L	1.0 L	Bottle
BT.2.0.UNI/5L	5.0 L	Jerrycan

Handling and disposal

- During application, pour small amounts from the original container into a clean application container.
- Close the original container immediately to limit evaporation and contamination.
- Do not continue using product that has thickened, is contaminated or shows sediment.
- Dispose of residues in accordance with local regulations.
- Any cured residues can generally be removed with a suitable cleaner/remover and/or mechanical correction.

Safety instructions

- Read the Safety Data Sheet (SDS) before use.
- Flammable liquid and vapour; keep away from heat, sparks, open flames and other ignition sources.
- Causes serious eye irritation; wear suitable gloves and eye protection.
- May cause drowsiness or dizziness; ensure good ventilation and avoid inhalation of vapour/spray mist.
- Store in a well-ventilated place and keep container tightly closed.

Important information and liability

- Performance depends on the substrate, conditions, humidity, application method, layer thickness, previous cleaning agents and the condition of the surface.
- If applied incorrectly or under unfavourable conditions, effects may occur such as haze, dust attraction, static charge, rain/mineral spotting, uneven water beading, application marks or gloss differences.
- NanoEnzo accepts no liability for (consequential) damage or unwanted results caused by incorrect application, wrong product selection, insufficient pre-treatment, substrate incompatibility or use outside the stated guidelines. The user remains responsible for a test area, suitability assessment and correct processing.

Disclaimer

The technical information in this document is based on available product specifications, tests and practical experience. Because application, substrate and conditions are beyond NanoEnzo's control, the user must always assess suitability and carry out a test area. NanoEnzo accepts liability only for the quality of the delivered product at the time of delivery.