



Technical Information Sheet

EcoLine Mold Prevention

Item number: FN.AS.NA3/1L – FN.AS.NA3/5L

Product description

EcoLine Mold Prevention is a photocatalytic functional layer designed to create indoor surfaces with maximum air purification and protection against mold, bacteria, and microorganisms. The functional layer functions as a silent, maintenance-free air purifier and actively prevents the growth of mold, viruses, and allergens. It works based on photocatalysis: under the influence of UV light (daylight or artificial light with a UVA component), harmful air pollutants are converted into harmless substances (CO₂ and water). The functional layer has a lifespan of at least 15 years in interior applications.

Key Features

- Air purifying and antibacterial effect
- Prevents the growth of fungi and micro-organisms
- Active reduction of viruses, odors and volatile organic compounds (VOCs)
- Ecological, chemical-free technology – purely physical process
- Permanent and inexhaustible photocatalytic effect
- Breathable and vapour permeable (class V1 – high)
- White, matte surface with light opacity (30–40% transparency)
- Safe for people, animals and the environment – no VOCs or toxins
- Non-flammable, frost-resistant after curing
- Functional after 24 hours

Technical data

Characteristic	Value
Form	Water-based liquid
Colour	White, matte
Transparency	approx. 30–40%
Density	approx. 1.07 g/cm ³
Layer thickness	5–30 µm



Photocatalyst	Titanium dioxide (TiO ₂) – 100–110 g/L
pH value	Neutral
VOC content	0% (no volatile organic compounds)
Consumption	1 L ÷ 7–10 m ² (3 layers)
Recommended number of layers	3 thin layers
Drying time	Dust dry: 1 hour, fully active after 24 hours
Application temperature range	+10 °C to +25 °C
Relative humidity	Max. 75%
Adhesion to concrete	> 2.5 MPa (EN 1542)
Water vapor permeability	High (class V1)
Durability	Frost resistant, not washable
Flammability	Non-flammable
Shelf life	3 years (in closed packaging, 10–25 °C)

Application

1. Preparation:

- Clean the surface thoroughly and remove any mold or biological contamination.
- Clean with Bee*Pure Universal (diluted 1:10–1:15 with water).
- Allow to dry completely.
- Do not apply to hydrophobic or silicone-containing surfaces.

2. Apply:

- Do not dilute.
- Shake thoroughly (30–40 sec) before use.
- Apply with roller, brush or spray in three thin, even coats.
- Allow each coat to dry completely before applying the next coat.
- Provide sufficient UV light (min. 0.2 W/m²) to activate the photocatalytic effect.
- Suitable for ceilings and walls made of plaster, plasterwork or concrete.



3. Cleaning of tools:

- Clean immediately with water.

Safety

- Non-hazardous product according to CLP.
- Contains: Titanium dioxide and inorganic binders.
- No solvents, plasticizers or toxic components.
- Non-flammable, environmentally friendly and safe for use in healthcare, schools and homes.

Use & personal protection:

- Avoid inhalation of spray mist – use only in well ventilated areas.
- When spraying, wear a P2 dust filter mask, safety glasses and gloves.
- Avoid contact with eyes or skin.
- Do not eat, drink or smoke when using.
- In case of contact with eyes: rinse immediately with plenty of water and consult a doctor.
- In case of contact with skin: wash with soap and water.
- Wash hands after use.

Environment & storage:

- Do not discharge residues into sewers or the environment.
- Dispose of waste and empty packaging in accordance with local regulations.
- Do not allow to freeze.
- Keep out of reach of children.

Use: good ventilation • PPE required • Do not allow to freeze

Packaging units

Article number	Contents	Packaging type
FN.AS.NA3/1L	1 liter	Plastic bottle
FN.AS.NA3/5L	5 Liters	Jerrycan



Storage

- Store between +10 °C and +25 °C • Do not allow to freeze
- Shelf life: 3 years (original, closed packaging) • Shake well before use

Quality & sustainability

- Long-lasting photocatalytic effect, not exhaustible • Active against fungi, bacteria and viruses • Effectively tested according to ISO 16000-10/11 • Environmentally friendly and emission-free
- 15-year functional guarantee when used correctly

Supplier

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