

## EcoLine Mold Prevention

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

### Product description

EcoLine Mold Prevention is a photocatalytic functional coating developed to create indoor surfaces with maximum air purification and protection against mold, bacteria, and microorganisms. The coating functions as a silent, maintenance free air purifier and actively prevents the growth of mold, viruses, and allergens. Its operation is 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 (CO<sub>2</sub> and water). The functional coating has a minimum lifespan of 15 years in interior applications.

### Key properties

- Air purifying and antibacterial effect
- Prevents growth of mold and microorganisms
- Active reduction of viruses, odors, and volatile organic compounds (VOCs)
- Ecological, chemical free technology – purely physical process
- Permanent and non depleting photocatalytic effect
- Breathable and vapor permeable (class V1 – high)
- White, matte finish with slight coverage (30–40% transparency)
- Safe for humans, animals, and the environment – no VOCs or toxic substances
- Non flammable, frost resistant after curing
- Functional after 24 hours

### Technical data

| Property                      | Value                                              |
|-------------------------------|----------------------------------------------------|
| Form                          | Water based liquid                                 |
| Color                         | White, matte                                       |
| Transparency                  | Approx. 30–40%                                     |
| Density                       | Approx. 1.07 g/cm <sup>3</sup>                     |
| Layer thickness               | 5–30 µm                                            |
| Photocatalyst                 | Titanium dioxide (TiO <sub>2</sub> ) – 100–110 g/L |
| pH value                      | Neutral                                            |
| VOC content                   | 0% (no volatile organic compounds)                 |
| Consumption                   | 1 L ≈ 7–10 m <sup>2</sup> (3 coats)                |
| Recommended number of coats   | 3 thin coats                                       |
| 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)                                    |
| Resistance                    | Frost resistant, not washable                      |
| Flammability                  | Non flammable                                      |
| Shelf life                    | 3 years (in unopened packaging, 10–25 °C)          |

## Application

### 1. Preparation:

- Thoroughly clean the surface 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 on hydrophobic or silicone containing substrates.

### 2. Application:

- Do not dilute.
- Shake thoroughly (30–40 sec) before use.
- Apply with a roller, brush, or spray in three thin, even coats.
- Allow each coat to dry completely before applying the next.
- Ensure sufficient UV light (min. 0.2 W/m<sup>2</sup>) to activate the photocatalytic effect.
- Suitable for ceilings and walls made of gypsum, plaster, or concrete.

### 3. Cleaning of tools:

- Clean immediately with water.

## Safety

- Not classified as a hazardous product under CLP.
- Contains: titanium dioxide and inorganic binders.
- No solvents, plasticizers, or toxic components.
- Non flammable, environmentally friendly, and safe for use in healthcare facilities, schools, and residential environments.

### Use & personal protection:

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

### Environment & storage:

- Do not discharge residues into the sewer 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.

### Instructions for use

- Ensure good ventilation
- PPE required
- Do not allow to freeze

## Packaging units

| Article number | Content | Packaging type |
|----------------|---------|----------------|
| FN.AS.NA3/1L   | 1 litre | Plastic bottle |
| FN.AS.NA3/5L   | 5 Litre | Jerry can      |

## **Storage**

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

## **Quality & durability**

- Long lasting photocatalytic performance, non depleting
- Active against mold, bacteria, and viruses
- Effectively tested according to ISO 16000-10/11
- Environmentally friendly and emission free
- 15 year functional warranty with correct application