



# TECHNICAL DATA SHEET

## Nano EcoLine Façade

### 1. Field of application

**Nano EcoLine Façade** is ready to use and is used to impregnate mineral façades, walls and terraces in outdoor areas. Open-pored and absorbent substrates are particularly ideal as they absorb the coating through their capillary forces and thus lead to an optimum effect.

Specifically, the application is for:

- all facades with mineral paint or render;
- Walls or terraces made of concrete, dolomite, limestone, clinker, granite, marble, porphyry, sandstone, travertine, brick;
- Roofs made of corrugated bitumen sheets.

### 2. Properties

Our specially developed **Nano EcoLine Façade** impregnation effectively protects against weathering, soiling and discolouration while preserving the natural beauty of the surfaces. Thanks to its high-quality formula, the impregnation penetrates deep into the material and provides long-lasting protection. Give your exterior surfaces a durable and easy-care protective layer with our impregnation that protects them from external influences and preserves their appearance.

The product is characterised by the following features:

- Very fast drying and onset of the protective function
- Strong beading effect
- hardens the surface structure
- guarantees colour fastness of the material, slight colour deepening is possible
- protects against acids & bases (pH 2 - 12)
- Prevents the penetration of salt water into the façade
- Prevents odours (e.g. urine does not penetrate the stone!)
- photocatalytically active
  - o bleaches colour stains (foliage, methylene blue test)
  - o helps to break down air pollutants (NO<sub>x</sub>, ozone, SO<sub>2</sub>, VOCs)
- Prevents the growth of algae, moss and lichen

### 3. Technical data

Colour: milky-white

Form: Suspension (aqueous)

Density: approx. 1.0 g/cm<sup>3</sup>

Odour: faint

pH: 6.6 - 6.9

Consumption: 1 litre is sufficient for approx. 30 - 40 m<sup>2</sup> (spray application)

#### 4. Storage

- Store **Nano EcoLine Façade** in a dry and frost-free place at 5 - 25°C.
- **Nano EcoLine Façade** can be kept for at least 24 months in the unopened original container if stored properly.

#### 5. Safety instructions

Please read the safety data sheet before use.

#### 6. Special notes

- The product is ready for use. Shake vigorously for 1 minute before use.
- Optimal processing temperature: 15 – 25°C
- The surfaces to be treated should be clean and dry and should not have been treated with any other coatings. Remove any contamination with paint, grease or oil, etc.
- Glass, plastic and metal surfaces that are not to be treated must be covered.
- The product should be sprayed on (undiluted) with professional paint spraying systems (HVLP). Adjust the distance to the surface to the strength of your sprayer. (The coating can also be applied by brush or roller for small scale projects, but spray application is recommended as this process ensures a more even deposition, with less chance of over application.)
- The surface should give a moist, wet impression. A white colour impression after application is normal and disappears after drying. This white tone can be slightly noticeable on some dark coloured stones and so it is important to test on an inconspicuous area prior to large scale coating.
- Spray once horizontally and once vertically onto the surface to be treated in order to achieve optimum coverage. Depending on the absorbency of the substrate and the requirements, this process can be repeated several times.
- When applying with a low-pressure sprayer, brush or roller, the product should be diluted 1:1 with water to avoid clogging the spray head or overloading the surface with the material. Test on a small area first and apply two to three times in succession to achieve optimum protection.
- If too much product has been applied to an area, it can be removed with a damp cloth while still wet.
- Allow the product to soak in for at least 15 minutes. The curing time is approx. 6 - 12 hours. The surface should remain dry during this time.
- The tools used should be cleaned with warm water after use.

#### 7. Delivery form

1.0 L Item no. HS-OS-001

5.0 L Item no. HS-OS-002

10 L Item no. HS-OS-003

The properties described above correspond to the current state of the art of our company and are intended to provide advice to the best of our knowledge. Due to the large number of different influencing factors (e.g. material, climate), the information provided here can only be of a non-binding nature. In individual cases, the user is obliged to carry out his own preliminary tests and inspections on the material to be treated and to prepare his own samples. (Status: June 2023)