

INNO-CARE FOX SILAN WB FR808

Silan-Siloxane Based, Water-Based, Transparent Water-Repellent Impregnation Material for Facades

Definition

FOX SILAN WB FR808 is a silane-siloxane-based, water-based, hydrophobic impregnation material that provides a water-repellent effect to the surface it is applied to while maintaining transparency.

Application Areas

- On exterior facade coatings for vertical applications,
- Cement-based terrazzo coatings,
- On low-porosity substrates such as concrete, marble, granite, and slate,
- On high-porosity substrates such as brick, colored concrete blocks, aerated concrete, travertine, and limestone
- For the protection of historical structures against atmospheric degradation.

Advantages

- Provides deep penetration into the substrate due to its low molecular weight.
- Offers protection without altering the appearance of exterior coatings or forming a surface film.
- Reduces the adverse effects of atmospheric exposure by rendering the surface of building elements impermeable.
- Resistant to alkalis and UV radiation.
- Durable against freeze-thaw cycles.
- Vapor-permeable.

Technical Specifications

Structure of the Material	Water-based, silane-siloxane
Density	0,95±0,05 g/cm ³
Color	Whitish
Drying Time	1 hour
Substrate Application Temperature	+10°C / +30°C
Service Temperature	+5°C / +40°C

The values provided are for +23°C and 50% relative humidity. Elevated temperatures will reduce the duration, whereas lower temperatures will prolong it.

Application Procedure

Surface Preparation

Before application, all layers such as dust, dirt, oil, and loose particles that could reduce adhesion strength must be removed from the surface. For surfaces to be treated, factors like lime, mortar, moss, and fungi should be cleaned with **FOX CLEANER BLUE FR330** or by mechanical methods.

Application Conditions

- For new concrete applications, the concrete should be cured for at least 28 days before application.
- The surface, material, and ambient temperature should be between +10°C and +30°C.
- The water and moisture content in concrete with a depth of 2 cm should be below 4%. Testing methods: C-Aquimeter, CM-Device, Darr Method.
- No rising moisture should be present according to ASTM standards (Polyethylene cover test).
- Relative humidity should not exceed 80%.
- Pay attention to condensation and dew formation!
- Dew formation and condensation on untreated or newly coated surfaces can damage the coating. To prevent this, the surface temperature should be at least +3°C above the dew point.

Mixing: FOX SILAN WB FR808 is a concentrated product and should be diluted at a ratio of 1/5 to 1/10 depending on the surface absorbency.

Application

For initial coat applications, **FOX SILAN FR115** should be applied to dry surfaces using an appropriate roller, brush, or spray machine for maximum penetration. The second coat should be applied using the "wet-on-wet" technique immediately after the first coat. Highly absorbent surfaces may require an additional coat.



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Consumption

A minimum of 2 coats is recommended.

1st coat: 0.25 kg/m² (diluted 1/10)

2nd coat: 0.20 kg/m² (diluted 1/10)

Packaging:

5-liter can

20-liter can

Shelf Life

When stored correctly at room temperature, away from direct sunlight, between +5°C and +30°C, the shelf life is 12 months from the date of manufacture. Opened containers should be used within 1 week by sealing the openings.

Storage

Store in its original unopened packaging, in a cool, dry place, protected from frost. For short-term storage, stack a maximum of 3 pallets high and use a first-in, first-out system for dispatch. For long-term storage, do not stack pallets.

Safety Precautions

Approaching storage and application areas with fire is dangerous. Ensure proper ventilation in storage and application areas. During application, wear appropriate work clothing, protective gloves, goggles, and masks in accordance with occupational health and safety regulations. Avoid contact with skin and eyes; in case of contact, wash immediately with plenty of water and soap. In case of ingestion, seek medical attention immediately. Do not bring food or beverages into application areas. Store in locations inaccessible to children. For detailed information, refer to the Safety Data Sheet (Material Safety Data Sheet).

Disclaimer

The data contained in this technical document is based on our scientific and practical knowledge. SARTECH Yapı Malz. San. ve Tic. Ltd. Şti. is only responsible for the quality of the product. Our company cannot be held responsible for the consequences that may occur due to misuse and/or other than the written suggestions about where and how the product will be used. For detailed information, the safety data sheet and technical data sheet should be consulted or our company officials should be contacted.



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