

## INNO-CARE FOX SILAN FR116 W

### Silane-Siloxane Based, Water Based, Transparent Water Repellent Impregnation Material for Facades

#### Definition

**FOX SILAN FR116 W**, Silane-siloxane based, hydrophobic, water-based, transparent impregnation material that provides water-repellent properties to the surface it is applied to.

#### Fields of Application

- Exterior coatings, vertical applications,
- Cement based terrazzo coatings,
- On less absorbent surfaces such as concrete, marble, granite, slate,
- On absorbent surfaces such as brick, colored briquettes, aerated concrete, travertine, limestone,
- It is used to protect historical monuments against atmospheric effects.

#### Advantages

- Provides high penetration into the ground thanks to its low molecular weight.
- Provides protection without changing the appearance of exterior facade coverings or creating a film layer.
- It reduces the negative effects of the atmosphere by making the surfaces of building elements impermeable.
- Resistant to alkalis and UV rays.
- Resistant to Freeze-Thaw effect.
- It is vapor permeable.

#### Technical Specifications

Structure of the Material	Water based, silane-siloxane
Density	0,95±0,05 g/cm <sup>3</sup>
Color	Off-white
Drying Time	1 hour
Applicable Surface Temperature	+10°C /+30°C
Service Temperature	+5°C /+40°C

*The above values are given at +23°C and 50% relative humidity. High temperatures shorten the time, low temperatures extend the time.*

#### Application Procedure

##### Surface preparation

Before application, all dust, dirt, oil and loose parts that may reduce the adhesion strength on the surface must be cleaned from the layers. Substances such as lime, mortar, moss and fungus on the application surfaces should be cleaned with **FOX CLEANER BLUE FR330** or mechanical methods.

##### Application Conditions

- In cases where application will be made to newly poured concrete, the concrete should be waited for at least 28 days of curing.
- The application surface, material and ambient temperature must be between +10°C and 30°C.
- The amount of water and moisture in the 2cm concrete depth should be below 4%. Test method: C- Aquameter, CM-Device, Darr Method
- According to ASTM, there should be no rising moisture. (Polyethylene cover test).
- Relative air humidity should be 80% maximum.
- Be careful of dew and condensation!
- Water vapor condensation on an unapplied or newly coated floor will damage the coating. To prevent this, the ground temperature must be above +3°C.

##### Mixing

**FOX SILAN FR116 W** is a concentrated product and should be used by diluting 1/5-1/10 depending on surface absorbency.

##### Application

For first coat applications, **FOX SILAN FR116 W** should be applied to dry surfaces with a suitable roller, brush or spraying machine for maximum penetration. The second layer should be applied consecutively using the "wet to wet" technique. It may require one more coat of application on highly absorbent surfaces.



### Consumption

Min. 2 coat application is recommended.

1st floor; 0.25 kg /m<sup>2</sup> (1/10 diluted product)

2nd floor; 0.20 kg /m<sup>2</sup> (1/10 diluted product)

### Packaging

5 kg bottle

20 kg bottle

### Shelf life

When stored correctly at room temperature, between +5°C and +30°C, away from direct sunlight, the shelf life is 12 months from the date of production. Opened packages should be closed and consumed within 1 week.

### Storage

It should be stored in its unopened original packaging, in a cool and dry environment, protected from frost. For short-term storage, a maximum of 3 pallets should be placed on top of each other and shipment should be made on a first-in, first-out system. For long-term storage, pallets should not be stacked on top of each other.

### Security precautions

It is dangerous to approach storage and application areas with fire. Storage and application areas should be ventilated. During application, work clothes, protective gloves, glasses and masks in accordance with occupational and worker health rules should be used. It should not be contacted with skin or eyes during storage and application. In case of contact, it should be washed immediately with plenty of water and soap. If swallowed, a doctor should be consulted immediately. Food and beverage materials should not be brought into application areas. It should be stored in places inaccessible to children.

For detailed information, please refer to the 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.



www.foxbau.com

### SARTECH YAPI MALZEMELERİ SANAYİ VE TİCARET LTD. ŞTİ.

Merkez : Organize Sanayi Bölgesi 1. Kısım 7. Cadde No:6 Döşemealtı/ANTALYA-TÜRKİYE  
Telefon : 0(242) 221 42 50 Fax: 0(242) 221 42 55

Şube 1 : Kargalıhanbaba OSB. Mah. Organize Sanayi 10. Sk. No:6 Hendek/Sakarya-TÜRKİYE

Şube 2 : Oyalı OSB Mah. 3. Cad No:21 Eğil/Diyarbakır-TÜRKİYE

Web : www.foxbau.com

E-mail : info@foxbau.com