

# INNO-CRETE FOX SILK MORTAR FC125

## Under Paint Surface Smoothing Satin Putty

### Description

**FOX SILK MORTAR FC125**, Cement-based, polymer-reinforced, single-component white surface-smoothing putty with high adhesion, applicable by hand on both interior and exterior surfaces of buildings, used for non-structural repairs as a final layer under paint.

**Complies with EN 1504-3:2005 standard/ R1 class.**

### Fields of Application

- As a correction mortar for all kinds of concrete and plaster under paint,
- As thin repair plaster for vertical and overhead applications,
- It is used for repairing pores, pits or capillary cracks up to 3 mm on surfaces.

### Advantages

- Provides a smooth surface in the topcoat.
- It has polymer additives.
- Used indoors and outdoors.
- Creates a non-dusting, solid and smooth surface before paint and coating.
- It has putty consistency.
- Thanks to its white color, it prepares a more efficient ground for paint.
- Q3 and Q4 quality surface is obtained.

### Technical Properties

Material Structure				Mineral fillers, polymer reinforced special cement
Density				1.60±0.10 kg/lt
Color				Beyaz
Compressive Strength	EN 12190		28 days	≥10 MPa
Adhesion Strength	EN 1542	Concrete	28 days	≥0.8 Mpa
Chloride Ion Content	EN 1015-17			≤%0.05
Fire Resistance	EN 13501-1			A1
Application Thickness				Min. 1 mm - Max. 3 mm
Applicable Coat Thickness				Max. 1.5 mm
Floor Temperature				+5°C /+30°C
Service Temperature				-20°C /+80°C
Maturation Time				5-10 min
Use Time				~45 min
Touch Time				~4 hours
Time to wait between coats				2-3 hours
Full Drying Time				24 hours

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

### Application Procedure

#### Substrate Preparation

The application surface must be cleaned from substances such as mold oil, dust and paint. Weak parts with low adherence should be removed from the surface. **FOX MORTAR FC188 T** structural repair mortar is used on surfaces requiring deep repair. The surface should be leveled with **FOX SLIM MORTAR FC105** for surface smoothing and filling before satin putty. The application surface must be moisturized.

#### Mixing

The appropriate amount of water described on the package is poured into a clean mixing bowl. While **FOX SILK MORTAR FC125** is slowly added into the water, it is mixed with an electric mixer with 400-600 rpm and a suitable mixing tip for about 2-3 minutes until it becomes homogeneous. There should be no lumps in the material. After the material is rested for 5-10 minutes during the maturation period, it is mixed again for 1 minute and made ready for application.

#### Mixing Ratios

Approximately 360±10 ml of water should be used for 1 kg **FOX SILK MORTAR FC125**.

Approximately 7.20±0.20 liters of water should be used for 20 kg/1 bag **FOX SILK MORTAR FC125**



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## Application

The prepared mixture is applied to the pre-moistened surface with a trowel or spatula with a thickness of 1-3 mm at once. After the mortar absorbs, the surface is sprinkled with water and leveled with a plastic trowel. For applications made in extremely hot, dry and windy environments, protection against rapid evaporation should be made for 48 hours with a wet gauze or curing materials.

## Cleaning of Tools

Tools and equipment used after application should be cleaned immediately with water. **FOX SILK MORTAR FC125** can only be mechanically cleaned from the surface after hardening.

## Consumption

To achieve 1 mm thickness, approximately ~1.00 kg/m<sup>2</sup> powder product should be used.

## Watch Points

- **FOX SILK MORTAR FC125** should not be used under epoxy paints and coatings.
- It is not applied on surfaces that are not solid and have plaster defects thicker than 3 mm.
- **FOX BASEMOR FC205** or **FOX EPC MORTAR FC255** should be preferred.
- **FOX SILK MORTAR FC125** should be applied within 45 minutes at +23°C. This time decreases to 20 minutes at +30°C.
- In outdoor applications, it should be protected from sun, rain, wind and frost for the first 24 hours.
- Working and reaction times of cement based repair mortars are affected by air temperature, humidity and ground temperatures.
- High temperatures accelerate hydration and shorten the working time accordingly. Low temperatures slow down hydration, which increases the working time. For the material to complete its cure, the floor temperature and ambient temperature should not fall below the minimum permissible temperature.

## Package

20 kg polyethylene reinforced kraft bag

## Shelf Life

When stored properly at room temperature, away from direct sunlight, between +5°C and +30°C, 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, maximum 3 pallets should be stacked on top of each other and shipment should be made on a first-in, first-out basis. For long term storage, pallets should not be stacked on top of each other.

## Safety Precautions

It is dangerous to approach the storage and application areas with fire. Storage and application areas should be ventilated. During the application, work clothes, protective gloves, goggles, masks in accordance with the occupational health and safety rules should be used. During storage and application, it should not be contacted with the skin and eyes, should be washed immediately with plenty of water and soap, and if swallowed, seek medical attention immediately. Food and drink materials should not be brought to the application areas. It should be stored out of the reach of 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. Fox Bau Yapı Kimyasalları A.Ş. 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.

