

## INNO- CRETE FOX SILK MORTAR FC125

### Under Paint Surface Correction and Filling Mortar

#### Description

**FOX SILK MORTAR FC125** is a cement based, polymer reinforced, one component, high stability, under paint surface correction, fine repair and filling mortar.

#### In compliance with EN1504-3 standard /R2 class

#### Fields of Application

- As a correction mortar for under paint of all kinds of concrete and plaster,
- As a fine repairing plaster in horizontal, vertical and overhead applications,
- It is used for smoothing and leveling of damaged surfaces.

#### Advantages

- It is mixed with water.
- Easy to apply.
- It has a paste consistency.
- It does not shrink (shrinkage).
- Provides non-crack and smooth finish on large surfaces.
- Color options (white and gray) are available.
- Thanks to its white color, it prepares a more productive surface for paint.
- It provides a perfect surface for paint.
- High adherence to cement based surfaces.

#### Technical Data

Structure of Material	Mineral filler, polymer reinforced Special cement		
Density	1,5 kg/lt		
Color	White, gray		
Compression Strength	TS EN 12190	7 days	10 N/mm <sup>2</sup>
		28 days	20 N/mm <sup>2</sup>
Bond Strength	TS EN 1542 to concrete	28 days	0,8 N/mm <sup>2</sup>
Application Thickness	Min. 1 mm - Max. 5 mm		
Application Surface Temperature	+5°C / +30°C		
Service Temperature	-20°C / +80C		
Working Time	30 minutes		
Fully cured time	28 days		



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

#### Application Procedure

##### Preparation of the Substrate

The surfaces to be repaired must be robust and free from all kinds of dust and dirt. **FOX MORTAR FC188 T** structural repair mortar is used on surfaces that require deep repair. The application surface necessarily must be moistened.



### Mixing

The appropriate amount of water described on the packaging is poured into a clean mixing bowl. While **FOX SILK MORTAR FC125** is added slowly into the water, it is mixed with an electric mixer with 400-600 rpm and suitable mixing tip for about 3-4 minutes until a homogenous mixture is obtained. No lumps should remain in the material. After the material is rested for about 3 minutes, it is mixed again for 1 minute and made ready for application.

### Mixing Rates

Approximately 220 ml of water should be used for 1 kg of **FOX SILK MORTAR FC125**.

Approximately 4,40 lt of water should be used for 20 kg / 1 bag **FOX SILK MORTAR FC125**.

### Application

The prepared mixture is applied on the surface which is pre-moistened by a trowel or spatula in a single layer with a thickness of 1-5 mm. After the mortar sets, water is sprinkled on the surface and the surface is leveled by plastic trowel or sponge. In applications carried out in extremely hot, dry and windy environments, protection against rapid evaporation should be provided by wet curing blanket or curing materials for 48 hours.

### Cleaning of the Tools

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

### Coverage

To obtain 1 mm thickness, approximately 1,20 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.
- **FOX BASEMOR FC205** or **FOX EPC MORTAR FC255** should be preferred.
- **FOX SILK MORTAR FC125** should be applied within 30 minutes at +20°C. This time decreases to 20 minutes at +30°C.
- In exterior surface applications, the surface should be protected from sun, wind, rain and frost for the first 24 hours after application.
- Working and reaction times of special cement based repair mortars are affected by air temperature, humidity and floor temperatures. High temperatures accelerate hydration and the working time is shortened accordingly. Low temperatures slow down hydration, and thus extend the working time. In order for the material to complete its curing, the floor temperature and ambient temperature to be applied must not fall below the minimum allowed value.

### Package

20 kg polythene craft bag

### Shelf Life

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

### Storage

Should be stored in its original package, in a cool and dry place protected from frost. In short-term storage, maximum 3 pallets should be placed on top of each other and shipment should be made with the first-in, first-out system. In long-term storage, pallets should not be placed 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, the material should not be contacted with the skin and eyes, if contacted, should be washed immediately with plenty of water and soap, and if swallowed, should be sought medical attention immediately. Foods and drinks should not be taken into the application areas. The material should be stored out of the reach of children.

For detailed information, please refer to the Material Safety Data Sheet.



### Disclaimer

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