

## INNO-CRETE FOX REPMORTAR FC135

### Cement Based, Ready to Use, Thick Repair Mortar

#### Definition

**FOX REPMORTAR FC135** is a cement-based, polymer-modified, single-component, ready-to-use thick repair mortar.

**Complies with EN1504-3:2005 standard/R1 class.**

#### Field of Application

- In superficial repairs and correction of concrete structural elements,
- Repair and plastering of walls and ceilings,
- It is used for surface repairs before tile and ceramic application.

#### Advantages

- It mixes only with water and is easy to apply.
- Can be applied to all concrete surfaces.
- It does not cause shrinkage.
- Provides high adherence to concrete and plastered surfaces.
- Provides a smooth surface finish.
- It shows high thixotropic properties.
- Resistant to freeze-thaw effect.
- It is used in indoor and outdoor, horizontal and vertical applications.

#### Technical specifications

Structure of the Material	Mineral fillings, polymer reinforced special cement		
Density	1,90±0,05 kg/lt		
Color	Grey		
Compressive Strength	EN 12190	28day	≥12,3 N/mm <sup>2</sup>
Flexural Strength	EN 12190	28day	≥4,1 N/mm <sup>2</sup>
Adhesion Strength (To concrete)	EN 1542	28day	≥1 N/mm <sup>2</sup>
Application Thickness	Min. 5 mm - Max. 30 mm		
Applicable Ground Temperature	+5°C / +30°C		
Usage Time	~30 minute		
Full Curing Time	28 day		

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

The surfaces to be repaired must be solid and free of all kinds of dust and dirt. **FOX MORTAR FC188 T** should be used in places where the repair depth is more than 30 mm. The surface to be applied should be saturated with water, but there should not be any puddles left on the surface.

##### Mixing

The appropriate amount of water described on the packaging is poured into a clean mixing bowl. While **FOX REPMORTAR FC135** is slowly added into the water, it is mixed with a 400 - 600 speed electric mixer and a suitable mixing tip for approximately 4 minutes until it becomes homogeneous. There should be no lumps left in the material. After the material is left to rest for 3 minutes, it is mixed again for 30 seconds to make it ready for application.

##### Mixing Ratios

Approximately 240±10 ml of water should be used for 1 kg of **FOX REPMORTAR FC135**.

Approximately 6.00±0.25 liters of water should be used for 25 kg / 1 bag **FOX REPMORTAR FC135**

##### Application

The prepared mixture is applied with a trowel in one go, between 5-30 mm thickness. After the mortar has absorbed itself, water is sprinkled on the surface and the surface is leveled with a sponge, wooden or steel trowel. In applications made in extremely hot, dry and windy environments, protection against rapid evaporation should be done with a wet cloth or curing materials for 48 hours.



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 Eği/Diyarbakır-TÜRKİYE

Web : www.foxbau.com

E-mail : info@foxbau.com

### Cleaning Application Tools

Tools and equipment used after application should be cleaned immediately with water. **FOX REPMORTAR FC135** can only be cleaned from the surface mechanically after hardening.

### Consumption

To obtain 1 mm thickness, approximately 1.50 kg/m<sup>2</sup> powder product should be used.

### Matters to be taken into consideration

- **FOX REPMORTAR FC135** should be applied within 30 minutes at +20°C. This time decreases to 20 minutes at +30°C.
- The applied area outdoors 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 the working time is accordingly shortened. Low temperatures slow down hydration, which increases operating time. In order for the material to complete its cure, the applied ground temperature and ambient temperature must not fall below the minimum allowed temperature.

### Packaging

25 kg polyethylene kraft bag

### 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.

