



## FGK 12 FIBRE

Fibre-reinforced, water-repellent base-coat plaster for interior and exterior use.



### Product description

Dry premix based on selected aggregate, hydraulic binder, hydrated lime, water repellent agent, polypropylene synthetic fibres and specific additives.

### Supply and storage

FGK 12 FIBRATO is supplied loose in a 22 m<sup>3</sup> silo system and in bags on pallets with stretch wrapping. Store in a cool, dry and non-ventilated place. Keep packaging intact. Use within the expiry date stated on the bag.

### Fields of application

FGK 12 FIBRATO can be used for indoor and outdoor plastering on substrates such as brickwork, rough concrete, blocks and plaster mesh. Smooth concrete structures must be prepared. Due to its specific composition, it is particularly suitable for use outdoors or in damp environments in general. FGK12 FIBRATO must not be applied on plastered, painted or inconsistent and crumbling substrates.

FG 99 is recommended for thermal insulation blocks.

# FGK 12 FIBRE

## Substrate preparation and application methods

Surfaces with irregularities greater than 2 cm must be prepared at least 48 hours in advance by filling with FGK 12 FIBRATO itself, avoiding the use of too much water during the mixing phase, which would lead to a decrease in mechanical resistance. For application, proceed as follows: after positioning the corner protectors, preferably with FGK 12 FIBRATO itself, and adjusting the mixing water, proceed as follows

until you obtain a consistent, plastic-looking mortar, you can proceed with application at a distance of about 15-20 cm so as to obtain a thickness of about 1-2 cm per coat. After a few minutes, proceed with levelling with an aluminium straight edge.

The product applied in this way can be “scraped off” after about 4 hours and can be used to arrange the corners for the subsequent finishing with fine mortar, which must be carried out within the following 24-48 hours depending on the external thermo-hygrometric conditions. If this is not possible, it is advisable to use a primer such as the PRG 10, in order to prevent dehydration and subsequent detachment of the finish itself. If the finish is a plastic coating or a thick coating, FGK 12 FIBRATO must be applied at a rate of 2-3 mm, always “fresh on fresh” and then fractured.

## Specifications

The substrates to be plastered must be clean, stable, possibly moistened and have a homogeneous surface. Any loose parts must be removed or consolidated. The surfaces prepared in this way can be plastered using a lung screw plastering machine with FGK 12 FIBRATO plaster by Fornaci Calce Grigolin, a dry premixed plaster based on selected inert materials, hydraulic and air binders, polypropylene fibres and specific additives to improve workability and adhesion and a water-repellent agent to increase water repellence, at a rate of 14 kg/m<sup>2</sup> for thicknesses of 1 cm. The minimum thickness to be applied is 1.5 cm.

## Warnings

Do not mix FGK 12 FIBRATO with other substances. Avoid large temperature fluctuations during the setting phase. Protect the product from frost and rapid drying. FGK 12 FIBRATO should not be used at temperatures below +5°C and above +30°C.

# FGK 12 FIBRE

| TECHNICAL DATA<br>according to standard<br>UNI EN 998-1 | PERFORMANCE  |
|---|--|
| Specific weight   | 1450 kg/m <sup>3</sup> approx. deter. in cad. lib. |
| Maximum diameter  | 1.2 mm   |
| Mixing water  | 21% approx.  |
| Theoretical yield                                       | Approx. 14 kg/m <sup>2</sup> for thickness 1 cm    |
| Mechanical flexural strength at 28 days                 | ≥ 1.4 N/mm <sup>2</sup>                            |
| Compression mechanical res. at 28 days                  | ≥ 2.7 N/mm <sup>2</sup>                            |
| Water vapour permeability $\mu$                         | 7  |
| Adhesion on brick                                       | ≥ 0.3 N/mm <sup>2</sup>                            |
| Fracture type (FP)                                      | B  |
| Water absorption  | W2   |
| Reaction to fire  | class A1   |
| Plastic collection                                      | Absent under standard thermo-hygom conditions      |
| Thermal conductivity $\lambda$                          | 0.40 W/mK (tabulated value)                        |
| Minimum application thickness                           | 1.5 cm   |
| Working time on brick                                   | 20 min   |

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I dati riportati si riferiscono alle prove di Controllo Qualità in condizioni ambientali normalizzate. Applicazioni pratiche di cantiere a seconda delle condizioni di esercizio possono rilevare dati sensibilmente modificati, pertanto le informazioni presenti nella Scheda hanno valore puramente indicativo in quanto l'utilizzatore deve sempre verificarne l'adempimento nell'impiego del prodotto assumendosi la responsabilità derivante dall'uso. Fornaci Calce Grigolin S.p.A. si riserva di apportare modifiche tecniche di qualsiasi genere senza alcun preavviso.