



## FGK 12

Waterproof background plaster for interior and exterior surfaces



### Product description

Dry premix based on selected inerts, hydraulic binder, hydrated lime, waterproofing agent and special additives.

### Supply and storage

FGK12 is supplied in bulk with 22 m<sup>3</sup> silo plant and in bags on stretch pallets. Store in a cool, dry and non ventilated place. Keep packaging intact. Use before the expiry date stamped on the bag.

### Field of use

FGK12 may be used for plastering interior and exterior surfaces like brick, rough concrete, blocks and network port plaster. Smooth concrete structures must first be primed with our own RG12. Due to its special formula, it is ideal for exterior use or in humid environments and spaces. FGK12 should not be applied to gypsum, painted or crumbly and insubstantial surfaces. For thermal insulation blocks, it is recommended the use of FG99.

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## Surface preparation and application

Areas affected by irregularities larger than 2 cm should be prepared at least 48 hours in advance, with a filling of the same FGK12, avoiding use of too much water during dough preparation, which could lead to a decrease in mechanical strength.

For the application, operate as follows:

Having positioned the corners, preferably with the same FGK12, and set the water mixture to obtain a mortar of consistent and plastic appearance, you may start working at a distance of about 15-20 cm to obtain a thickness of about 1-2 cm per coat. After a few minutes, even off with the aluminum level.

The product thus applied, after about 4 hours, can be “scratched” and is fit for fixing the corners with mortar for the successive finishing, to be carried out within the next 24-48 hours, depending on external temperature.

If this is not possible, it is recommended to use, before the fine mortar, a primer such as our PRG10, in order to prevent dehydration and subsequent detachment of the finish itself. If the finish is a thick or plastic coating, it should be applied at a rate of 2-3 mm, always “fresh on fresh”, the same FGK12 and then smoothed.

## Specifications

The surfaces to be plastered must be clean, stable, eventually humidified and must have a uniform surface. Each inconsistent part must be removed or consolidated. The surfaces thus prepared may be plastered by a lung-screw machine with the FGK12 plaster from Fornaci Calce Grigolin, dry premix based on selected inerts, aerial and hydraulic binders, special additives for improving workability and grip and waterproofing agent aimed at increasing water repellence, at a rate of 14 kg/m<sup>2</sup> for a thickness of 1 cm. The minimum application thickness will be of 1.5 cm.

## Disclaimers

Do not mix FGK12 with other substances. Avoid extreme changes in heat while hardening. The product must be protected from frost and rapid drying. We do not recommend using FGK12 when temperatures are below +5°C or above +30°C.

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Technical data according to the UNI EN 998-1 Standard	performance
Specific weight	1450 kg/m <sup>3</sup> determined in free fall
Maximum diameter	1,2 mm
Water in the mix	21% approx
Consumption	14 kg/m <sup>2</sup> per 1 cm. thickness
Mechanical resistance to flexion at 28 days	≥ 1,4 N/mm <sup>2</sup>
Mechanical resistance to compression at 28 days	≥ 2,7 N/mm <sup>2</sup>
Water vapor permeability $\mu$	7
Adhesion to brick	≥ 0.3 N/mm <sup>2</sup>
Fracture type	B
Water absorbtion	W0
Fire resistance	class A1
Plastic withdrawal	Absent in standard termohygrometric conditions
Thermal conductivity $\lambda$	0,40 W/mK (tabulated value)
Minimum application thickness	1,5 cm
Pot life	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'idoneità 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.