



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'adattabilità 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.



## FG 13

Perlite-based background plaster for interior and exterior surfaces EI 120



### Product description

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

### Supply and Storage

FG13 is supplied in bulk with 22 m3 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.

### Fields of use

FG13 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. Please check the EI 120 certificate for application procedures. FG13 should not be applied to gypsum, painted or crumbly and insubstantial surfaces. For thermal insulation blocks, it is recommended the use of FG99.

# FG 13

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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 FG13, 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 FG13, 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 fine mortar. 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 FG13 and then smoothed.

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## 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 FG13 plaster from Fornaci Calce Grigolin, dry premix based on selected and perlite inerts, aerial and hydraulic binders and special additives for improving workability and grip, at a rate of 12-13 kg/m<sup>2</sup> for a thickness of 1 cm. The minimum application thickness will be of 1.5 cm.

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## Disclaimers

Do not mix FG13 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 FG13 when temperatures are below +5°C or above +30°C.

# FG 13

Technical data according to the UNI EN 998-1 Standard	performance
Specific weight	1.350 kg/m <sup>3</sup> determined in free fall
Maximum diameter	1,2 mm
Water in the mix	24% approx
Consumption	12 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	≥ 2,5 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 $\lambda$	0,36 W/mK (tabulated value)
Minimum application thickness	1,5 cm
Pot life	20 min
EI 120 Certificate (released by THE GIORDANO INSTITUTE)	n.302212/3506FR

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