FG 11

Background plaster for interior and exterior surfaces

EN 998-1
GP-CSIV-W1
CONFORME ALLA NORMA EUROPEA
ENTSPRICHT DER EURONORM

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

Supply and storage
FG11 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
FG11 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. FG11 should not be applied to gypsum, painted or crumbly and insubstantial surfaces. For thermal insulation blocks, it is recommended the use of FG99.

Numero Verde
800 350907
www.fornacigrigolin.it
info@fornacigrigolin.it

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Surface preparation and application

Areas affected by irregularities larger than 2 cm should be prepared with at least 48 hours in advance with a filling of the same FG11, avoiding the use of too much water during dough preparation, which might lead to a decrease in mechanical strength.

For the application, proceed as following:

After having positioned the cornerings, preferably with the same FG11, and adjusted the water mixture to obtain a consistent mortar with plastic appearance, you may start working at a distance of about 15-20 cm in order to obtain a thickness of about 1-2 cm per coat, with a time interval between applications no greater than 8-12 hours, so that the product may not develop a hard surface. 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 positioning the corners for the succesive finishing with fine mortar, 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, the same FG11 should be applied at a rate of 2-3 mm, always "fresh on fresh", and subsequently smoothed off.

Specifications

The surfaces to be plastered must be clean, stable, eventually humidified and must have a level surface. Each inconsistent part must be removed or consolidated. The surfaces thus prepared may be plastered, by means of machine with screw lung, with FG11 plaster from Fornaci Calce Grigolin, dry premix based on selected inerts, hydraulic and aerial binders and special additives to improve workability and grip, at a rate of 14 kg/m2 for a thickness of 1 cm. The minimum application thickness should be of no less than 1.5 cm.

Disclaimers

Do not mix FG11 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 FG11 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/m³ determined in free fall
Maximum diameter	1,2 mm
Water in the mix	21% approx
Consumption	14 kg/m² per 1 cm. thickness
Mechanical resistance to flexion at 28 days	≥ 1,2 N/mm²
Mechanical resistance to compression at 28 days	≥ 2,5 N/mm²
Water vapor permeability μ	7
Adhesion to brick	≥ 0.3 N/mm²
Fracture type	B
Water absorbtion	W0
Fire resistance	class A1
Plastic withdrawal	Absent in standard termohygrometric conditions
Thermal conductivity λ	0,40 W/mK (tabulated value)
Minimum application thickness	1,5 cm
Pot life	20 min

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