



IG 14

Traditional background plaster for interior and exterior surfaces



Product description

Dry premix based on calcium-silicate inerts, hydraulic binder, hydrated lime and special additives.

Supply and Storage

IG14 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

IG 14 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. IG14 should not be applied to gypsum, painted or crumbly and insubstantial surfaces. For thermal insulation blocks, it is recommended the use of FG 99

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.

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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 IG14, 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 IG14, 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. 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 successive 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 IG14 should be applied at a rate of 2-3 mm, always “fresh on fresh”, and subsequently smoothed off. If the surface finish consists of ceramic tiles, the surface should not be scratched, but instead it should be smoothed off using the appropriate type of float. In order to obtain a better finished result, we recommend the use of a flexible adhesive with high grip such as our own AG05 - AG06, applied in double coating.

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 IG14 plaster from Fornaci Calce Grigolin, dry premix based on calcium-silicate 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 use of calcium-silicate inerts in the production of such concrete gives the finished product a high resistance to weather agents (acid rain, air pollution, etc.), given the chemical nature of the product. The minimum application thickness should be of no less than 1.5 cm.

Disclaimers

Do not mix IG14 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 IG14 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	1.450 kg/m ³ determined in free fall
Maximum diameter	1,2 mm
Water in the mix	21% approx
Consumption	14 kg/m ² per 1 cm. thickness
Mechanical resistance to flexion at 28 days	≥ 1,6 N/mm ²
Mechanical resistance to compression at 28 days	≥ 3 N/mm ²
Water vapor permeability μ	9
Adhesion to brick	≥ 0.3 N/mm ²
Fracture type	B
Water absorbtion	W0
Fire resistance	class A1
Plastic withdrawal	Absent in standard termohygrometric conditions
Thermal conductivity λ	0,38 W/mK (tabulated value)
Minimum application thickness	1,5 cm
Pot life	20 min

v. 03/2021

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