

plasters

FG 99

Background plaster for porous walls



Product description

Dry premix based on selected inerts, hydraulic binder, hydrated lime, water-proofing agent, synthetic fibers, special additives and perlite.

Supply and storage

FG 99 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.



Surface preparation and Application

Areas affected by irregularities larger than 3 cm should be prepared at least 48 hours in advance, with a filling of the same FG 99, 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 FG 99, 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 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 FG 99 and then smoothed.

Fields of use

FG 99 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 RG 12. Due to its special formula, it is ideal for use on thermal insulation walls of Iecablock, porous and alveolar bricks, mineral wood chipboard. FG 99 should not be applied to gypsum, painted or crumbly and insubstantial surfaces.

Technical 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 FG 99 plaster from Fornaci Calce Grigolin, fiber-reinforced premix based on selected and perlite inerts, aerial and hydraulic binders, synthetic fibers, special additives for improving workability and grip and waterproofing agent aimed at increasing water repellence, at a rate of 11-12 kg/m² for a thickness of 1 cm. The formula combination of synthetic fibers and waterproofing agent renders FG 99 as ideal for use on porous walls. The minimum application thickness will be of 1.5 cm.

Dati tecnici secondo norma UNI EN 998-1

Specific weight	1350 kg/m ³ determinrd in free fall
Maximal diameter	1,2 mm
Adhesion to brick	20 min
Plastic withdrawal	Absent in standard termoigrometric conditions.
Water in the mix	24% approx.
Consumption	11/12 kg/m ² per 1 cm. thickness
Spess. minimo di applicazione	1,5 cm
Mechanical resistance to flexion at 28 days	1,1 N/mm ²
Res. mecc. a compress. a 28 days (cat. CS II)	2 N/mm ²
Water vapor permeability μ	8
Adhesion to brick	0,2 N/mm ²
Fracture type (FP)	B
Water absorbtion	W1
Fire resistance	A1 class
Thermal conductivity λ	0,36 W/mK (tabulated value)

Disclaimers

Do not mix FG 99 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 FG 99 when temperatures are below +5°C or above +30°C.

v. 09/2020