



BF 02

High-strength cementitious plaster.



Product description

Dry premix based on selected aggregate in a suitably recomposed grain size curve of 0 to 3 mm, cementitious binder, hydrated lime, pumping promoters and additives to improve workability.

Supply and storage

BF 02 is supplied loose in a 22 m³ silo system or in 30 kg bags.

Fields of application

BF02 is a concrete mix that can be pumped with plastering machines (screw-type and piston-type) and can be applied indoors and outdoors on substrates such as bricks, blocks and plaster-holding mesh, in any case in all cases of walls requiring the use of thick reinforced plaster. Concrete surfaces must be previously reinforced with electro-welded mesh firmly anchored to the substrate. It must not be applied on gypsum, painted or inconsistent and crumbling supports.

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Media preparation

The surface to be treated must be free of dust, crumbling or loose parts and/or polluting elements (oils, greases, etc.). Highly absorbent surfaces and/or surfaces with irregularities greater than 2 cm must be prepared at least 24-48 hours in advance by filling with BF 02.

For use as reinforced plaster, use a galvanised mesh (or similar) that must be adequately anchored to the substrate and positioned at least 1 cm from it.

For applications on mixed structures (e.g. concrete structure and brickwork infill), the mesh must be mechanically bound to the concrete and must extend at least 30 cm over the brickwork surface; it is also recommended that the concrete surface be adequately prepared, to this end and for applications on particular substrates, contact our Technical Department.

Methods of application

After positioning the corner protectors, preferably with the same BF 02, apply the product for a maximum thickness of about 1.5 cm per coat, allowing 24-48 hours between coats (depending on weather conditions).

Due to the high mechanical resistance and the fields of application of BF 02, it must be allowed to cure properly (1 week per cm and in any case not less than 3 weeks) before any finishing or coating is applied.

Installation of ceramic cladding on facades

For the installation of ceramic tiles on external facades, we strongly recommend the use of GRIGOKOLL® ULTRAX, class C2TE S1 in accordance with EN 12004, applied using the double spreading technique.

Depending on the size and characteristics of the ceramic covering, as well as the characteristics of the architectural project, the use of GRIGOKOLL® GENIUX, a highly deformable adhesive of class C2TE S2, may be evaluated.

On the basis of the size of the ceramic covering chosen and the height envisaged for application, the mechanical fastenings fixed directly to the structure must be evaluated in accordance with the regulations in force.

Joints must be no less than 5 mm wide and must be filled with FUGASTYLE® CEM 1_8 grout CG2 WA in the colour of your choice, according to EN 13888.

Expansion joints are compulsory and must be no less than 5 mm wide, in accordance with EN 13548, and must be made at the stringcourses. In addition, the maximum area that can be covered without these joints must not exceed 9-12 m².

Sealing must be carried out using NEUTRAL RETICULATING SILICONE from leading brands.

If there are existing joints, they must be respected.

Carry out the final cleaning with the cleaning agent FUGASTYLE® DTG ACIDO.

It is recommended that all the requirements of UNI 11493 be complied with, even if not explicitly referred to herein, particularly in terms of type and method of grouting, execution of expansion joints and any mechanical fixings.

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Specifications

The substrates to be plastered must be clean, stable, possibly moistened and have a homogeneous surface. Any loose parts must be removed or consolidated. The surfaces prepared in this way can be plastered using a piston or screw-type plastering machine with the dry premixed batch BF 02 by Fornaci Calce Grigolin based on selected inert materials, cement binder and specific additives to improve workability, with an estimated yield of 19 Kg/sq.m. per 1 cm of thickness.

Warnings

Do not mix BF 02 with other substances. Avoid extreme temperature changes during the setting phase.

The product must be protected against frost and rapid drying. Do not use BF 02 at temperatures below +5°C or above +30°C. For large surfaces, it is advisable to make fractioning joints and to respect any pre-existing joints. If it is used as a support for laying ceramic tiles, the surface must not be scuffed, but tightened (compacted) with a trowel.

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TECHNICAL DATA	PERFORMANCE
Apparent density	1600 kg/m3 approx. deter. in cad. lib.
Maximum inert diameter	2.5 mm
Mixing water	18%
Theoretical yield	16 kg/m2 approx. for thickness 1 cm
Mechanical flexural strength at 28 days	3 N/mm2
Compression mechanical res. at 28 days	10 N/mm2
Water vapour permeability μ	12
Adhesion on brick	1.0 N/mm2
Fracture type (FP)	B
Water absorption	W1
Reaction to fire	class A1
Plastic collection	Absent under standard thermo-hygom conditions

v. 05/2021

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 di qualsiasi genere senza alcun preavviso.