



## BF 11

### High-strength cement concrete



#### Product description

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

#### Supply and storage

BF11 is supplied loose in a 22 m<sup>3</sup> silo system or in 25 kg bags.

#### Fields of application

BF 11 is a concrete mix that can be pumped with screw and piston plastering machines. It can be applied indoors and outdoors on substrates such as bricks, rough concrete, blocks and plaster mesh, and in all cases on walls that require the use of thick reinforced plaster. Given its high mechanical resistance, it is used as a structural plaster and for consolidation work in general. It must not be applied on gypsum, painted or inconsistent and friable substrates. For applications on smooth concrete use the products of the Galileo line (e.g. Galileo MURATURA). For applications on particular substrates, contact our Technical Office.

# BF 11

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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 11. When used as a plaster reinforced with electro-welded mesh (or similar), the mesh must be suitably anchored to the substrate and positioned at least 1 cm from the substrate.

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## Methods of application

After positioning the corner protectors, preferably with the BF 11 itself, apply the product with a maximum thickness of approx. 1.5 cm per coat, allowing 24-48 hours between coats (depending on weather conditions) to elapse.

(1 week per cm, but not less than 3 weeks), before any finishing or coating.

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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 plastering machine with a piston or lung screw with the dry premixed concrete BF 11 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.

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## Warnings

Do not mix BF 11 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 11 at temperatures below +5°C or above +30°C. For large surfaces, it is advisable to make fractioning joints and to respect existing joints.

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<b>TECHNICAL DATA according to standard UNI EN 998-1 and UNI EN 998-2</b>	<b>PERFORMANCE</b>
Apparent density	1600 kg/m <sup>3</sup> approx. deter. in cad. lib.
Maximum inert diameter	3 mm
Mixing water	15%
Theoretical yield	Approx. 19 kg/m <sup>2</sup> for thickness 1 cm
Mechanical flexural strength at 28 days	≥ 6 N/mm <sup>2</sup>
Compression mechanical res. at 28 days	≥ 32 N/mm <sup>2</sup>
Water vapour permeability $\mu$	20
Adhesion on brick	≥ 1.1 N/mm <sup>2</sup>
Fracture type (FP)	B
Water absorption	W1
Reaction to fire	class A1
Plastic collection	Absent under standard thermo-hygom conditions

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