



BF 32

High-strength cement concrete



Product description

Dry premix based on selected aggregate in a suitably recomposed grain size curve of 0 to 3 mm, hydraulic binder and water reducing and pumping promoting additives.

Supply and storage

BF 32 is supplied loose in a 22 m³ silo system or in bags.

Installation methods

In the construction of micropiles and special foundations in general, BF 32 will be mixed by means of a horizontal mixer, if bagged material is used, or by means of similar equipment (e.g. a mixer for the construction of special foundations).

which can be connected directly to the silo, in the case of product bulk. Delivery to the point of application can be by means of a pump (screw, piston or similar, already integrated in the mixer in the case of using the SMP) equipped with specific flexible tubing.

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Fields of application

BF 32 is a castable product, easily pumpable, particularly suitable for consolidation work, restoration and micropiling, special foundations in general.

Peculiarities of mortar

The viscosity and fluidity of BF 32 concrete allows the use of a moderately long casting line or with moderate head.

The mechanical strengths obtained with BF 32 concrete are higher than those of other products in its segment: a considerable margin is available to compensate for any deterioration in strength values due to external factors or differences.

in qualification and packaging procedures.

BF 32 concrete undergoes continuous testing in the in-house laboratory, which ensures that it meets the required standards and provides consistent performance.

Warnings

Betoncino BF 32 must be applied at a room temperature between 5°C and 30°C. At low temperatures (5°C ÷ 10°C) it is advisable to mix the material with warm water. Conversely, at high ambient temperatures, it is advisable to mix with cold water.

Do not mix BF 32 with other substances.

Avoid large temperature changes during the setting phase. The product must be protected from frost and rapid drying.

The mixing water must be free of impurities for the correct functioning of the equipment.

Given the rheological characteristics of the product, start the mixing machine (type SMP) with cement slurry.

The qualification of the mortar is obtained by means of the spreading test and the mix density test; it is advisable to carry out these tests at least at the beginning of each casting session.

It is advisable to cast the micropiles from the bottom of the hole to avoid contamination of the concrete shaft.

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TECHNICAL DATA	PERFORMANCE
Fresh density	approx. 2200 kg/m ³
Maximum inert diameter	3 mm
Mixing water	17%
Theoretical yield	approx. 1850 kg/m ³
Mechanical flexural strength at 28 days	6 N/mm ²
Compression mechanical res. at 28 days	> 30 N/mm ²
No-shock spreading (UNI EN 1015-3 mod.)	190 - 230 mm
Reaction to fire	class A1
Fluidity (Marsh cone nozzle 10mm)	30" - 45"
Elastic modulus at 28 days	approx. 30,000 N/mm ²

v. 12/2021