

betonilha[®] cem



TECHNICAL DATA SHEET

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betonilha

cem

levelling and regularization

mortar for levelling and filling



1 - 4 cm
adherent surfaces;
>4 cm
non adherent surfaces

use

Mortar for levelling and filling both indoor and outdoor paving.
 Levelling of insulation sheeting, on coverings which are accessible or non-accessible.
 Floating or bonding screeds on new and old surfaces.
 Requires covering. Possible Coverings: Ceramics, natural stone, wood, PVC, linoleum, cork, parquet, carpet, damp-proofing.
 Betonilha Cem can be machine pumped.

surface

• All surfaces accepted by traditional screeds.



CE marking

CT – C16 – F3 – A22
 European standards
 EN 13813



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recommendations

Do not mix Betonilha Cem with other products.

Respect the correct amount of water.

The expansion joints on the surface must be extended for the screed.

We recommend that the screed be dampened during the first few days, starting 8 hours after application, especially in sunny conditions.

composition and characteristics

Composition:

Cement, limestone and silica aggregates and specific additives.

Characteristics:

Application temperature: +5 to +30°C

Application thickness:

Adherent surfaces: 1-4 cm;

Non adherent surfaces: > 4 cm

Waiting time before covering:

Ceramics: 24 Hours (bonding with bonding cements);

Wood: The time necessary for the screed to obtain 2.5% humidity.

Bulk density: 2000 kg/m³

Compression strength: 16 N/mm²

Flexural strength: 4 N/mm²

Note: These results were obtained in laboratory testing, in accordance with the specifications of standard EN 13813:2002, under standard conditions, (T=20°C) and may vary depending on application conditions.

colour

Grey

consumption

16 kg/m²/cm depending on the degree of compacting.

available in

Sacks of 30 kg

Pallets with 48 sacks.

storage

1 year in unopened package in a damp free environment.



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preparation of surface

The surface must be clean, dry and free of fissuring, dust, loose chippings, varnish, wax and oil for screeds of less than 4 cm.

Around pillars and on walls place expanded polystyrene, cork, sheets of polyurethane foam before filling.



application

For **bonding screeds** (with thicknesses of 1 to 4 cm).

Make a slip from the screed, mixing the screed with a solution (1 part Latex Topeca: 2 parts water, i.e. 2 litres of Latex Topeca/ bag) until a slip like consistency is obtained. Apply the slip in an even layer with a hard bristle brush, exerting pressure to ensure the total adherence of the slip to the surface.



Mix Betonilha Cem mechanically with around 3 litres of water until a smooth and even paste is obtained. The screed should have the consistency of "moist soil".

To apply other types of covering, mechanically mix the Betonilha Cem with around 4 litres of water until a smooth and even paste is obtained with a thicker consistency.

Apply the Betonilha Cem to the fresh and still adhesive slip.

The screed should be compacted and compressed until a smooth surface is obtained which is free of water bubbles.



For **non bonding screeds** (with thicknesses of > 4 cm).

Apply the Betonilha Cem directly to the surface.

The screed should be compacted and compressed until a smooth surface is obtained which is free of water bubbles.

