

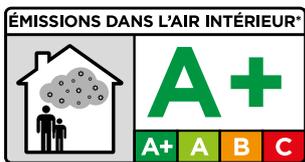


BENFERFIX C2TE

Slide resistant special adhesive with long open time

- High yield
- Interior and exterior wall and floor
- Perfect for porcelain tiles
- **FLEXIBLE**
- **CE**

This product improvable with CEMLATEX 600



TECHNICAL FEATURES: BENFERFIX C2TE is a highly thixotropic adhesive in powder consisting of highly resistant cement, selected quartz granulometry, synthetic resins and special new generation additives.

- Its formula was conceived and developed for rapid and safe installation of all ceramic materials, even from top to bottom.
- Tiles can be fixed without spacers, and working from the top down.
- BENFERFIX C2TE has a long open time, which is indispensable in ensuring that the tile backs are properly wetted through the action of the special additives, and allowing its use in a softer state than traditional adhesives without loss of vertical bonding power.

AREAS OF APPLICATION:

Laying of porcelain, not absorbing single-fired tiles, ceramic and glass mosaic and humidity stable natural stones on:

- Interior and exterior wall and floor



TECHNICAL ASSISTANCE



INSURANCE GUARANTEE



TECHNICAL MEETINGS



PROFESSIONAL USE

CONTRACT ITEM SPECIFICATIONS:

Floor and wall in ceramic tiles must be applied with a mono-component, cement-based adhesive flexible, polymer-modified, trowelable up to 15 mm, thickness, with no sliding, in accordance with EN 12004 class C2TE, like BENFERFIX C2TE by Benfer.



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SUITABLE SUBSTRATES:

- Concrete
- Cement-based screeds, standard or heated with water system or electric resistance
- Cement-based plaster
- Cement based blocks even cellular cement (we recommend the application of STARPRIM or BENFERPRIM).

INSIDE ONLY:

- Fluid cement-based screeds (prior application of an appropriate primer if demanded), standard or heated with water system or electric resistance
- Fluid anhydrite-based screeds (prior application of an appropriate primer), standard or heated with water system or electric resistance
- Old ceramic tiles (prior application of an appropriate primer)
- Standard or waterproof plasterboard
- Gypsum boards (prior application of STARPRIM or BENFERPRIM)

MAXIMUM SIZES:

- Internal floors with maximum length of longest tile side up to 80 cm
- External floors with maximum length of longest tile side up to 40 cm
- Internal walls coverings with maximum length of longest tile side up to 40 cm
- External walls coverings with maximum length of longest tile side up to 30 cm

See the choice table to verify size limits by tile/substrates characteristics.

METHODE OF USE:**SUBSTRATES PREPARATION:**

The substrates must be solid, load-bearing, free from oil, grease and dust. Any paint-work must be in good condition, washed and degreased. If this is not the case, the paint must be carefully removed. Gypsum or calcium sulphate based substrates must be previously treated with BENFERPRIM. Absorbent substrates must be treated with BENFERPRIM.

MIXTURE PREPARATION:

Mix BENFERFIX C2TE with 29% of water (7,25 liters for one 25 kg bag), until you obtain a homogeneous, bright, plastic adhesive. Leave it to rest 5 minutes, and then re-mix shortly. The adhesive is now ready for use and must be used within 3 hours.

TILING:

INTERIOR: Lay the tiles while exerting a good pressure on the tiles surface, in order that the contact between tile and adhesive will be at least of 95-100%.

EXTERIOR: The contact between tile and adhesive must be 100%, in order to avoid eventual rain infiltrations, that in case of frost could cause the detachment of the tiles. Therefore, it is suggested to spread also a layer of BENFERFIX C2TE. on the back of the tiles.

We suggest to do the same things even in interiors for:

- Floor tiles larger than 500 cm² with water absorption of the tiles $\leq 0.5\%$ (e.g. porcelain tiles)
- Floor tiles larger than 1100 cm² with the other types of tiles

- Wall tiles larger than 120 cm² with water absorption of the tiles $\leq 0.5\%$ (e.g. porcelain tiles)
- Wall tiles larger than 500 cm² with the other types of tiles
- Special applications such as industrial refrigerators, basins, swimming pools, etc.

It is essential to leave a joint of at least 3 mm between each tile, and to ensure that the tiling conforms with the expansion joints of the structure, to be elastically sealed, as well as the joints between walls, and the joints between wall and floor. In any case, expansion joints and perimeter joints must be carried out every about 20 m².

FULL SERVICE:

At 23°C and with 50% relative humidity, the open time is approximately 30 minutes. Under unfavourable conditions, these times may be significantly reduced. You are therefore advised to spread the adhesive a little at a time and to check frequently that it has not formed a surface film before laying the tiles. To improve workability, especially in summer, it is useful to exclude draughts.

In the first 48 hours after application, the adhesive does not withstand frost.

Flooring installed using BENFERFIX C2TE can be walked over cautiously after about 12 hours for grouting (48 hours for temperatures under 15°C). Full service after 7 days.

CLEANING: Tiling should be cleaned with a damp cloth or sponge when the adhesive has already started to set. Allow 48 hours after application of tiling before cleaning with larger quantities of water.

PACKAGING: BENFERFIX C2TE is available in 25 kg poly-coated paper bags on europallet of 1.500 kg.

STORAGE: In the original unopened packaging in a dry and cool place.

SHELF LIFE: 12 months from the date printed on the packaging.

CONSUMPTION: The consumption changes according to planarity of the support, to the trowel used and to the laying system (simple or double spreading).

Support	Tiled surface	Laying System	Trowel type mm.	Consumption kg/m ²
Int. Floor	S<1100	simple gluing	8/10	4/5
	1100<S<3600	double gluing	10 / 15	6/7
	3600<S<6400	double gluing	20	8
Ext. Floor	400 <S<1100	double gluing	8/10	5/6
	1100<S<1600	double gluing	10/15/20	6/7/8
Int. Wall	S<400	simple gluing	6	3,5
	400 <S<1600	double gluing	8/10	5/6
Ext. Wall	S<400	double gluing	6	4,5
	400 <S<900	double gluing	8/10	5/6

PRODUCT TECHNICAL DATA

Classification EN 12004:

Basis:

Colour:

Apparent mass volume::

Maximum grain size:

Storage and Duration:

Pericolo di nocività:

Inflammable:

Mixture consistency:

Consistenza dell'impasto:

Density of paste:

Application temperature:

Pot Life:

Open time:

Vertical sliding to EN1308:

Maximum thickness:

Foot traffic:

Grouting::

Full service:

Final hardening:

Adhesion (after 28 days):

Adhesion after warming:

Adhesion after water immersion:

Adhesion after frost-thaw cycles:

Temperature resistance:

C2TE

Cement, aggregates, additives

White or Grey

1,25 kg/dm³

0,5 mm

12 mesi in imballo originale chiuso in luogo fresco ed asciutto

No. The product may cause irritation to the eyes and skin due to presence of cement

No

29%, 7,25 lt water/25 kg bag

Creamy

1,60 kg/dm³

From +5 °C to + 35 °C

3 hours*

30 minutes*

< 0,5 mm

15 mm

12 hours*

12 hours*

7 days*

28 days*

> 1,0 N/mm²

> 1,0 N/mm²

> 1,0 N/mm²

> 1,0 N/mm²

From -30°C to +90°C

* at 23°C and 50% relative humidity

PLEASE NOTE: The information given in this chart is based on our best experience and indicative only. It must in any event be verified by the end user, who assumes all liabilities deriving from utilization of the product.



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