

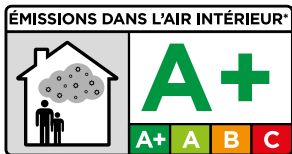
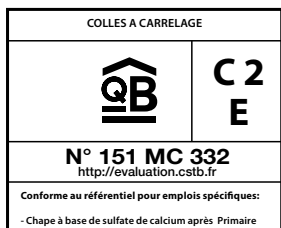


BENFERGRIP+

Special adhesive highly resistant, thixotropic, high strength and long open time

- Overlapping internal old floors • Extra white • High resistance to sliding
- Application without the need of spacers • Perfect for glass and ceramic mosaics
- Perfect for Klinker and thick floor coverings • Its smooth consistency reduces fatigue
- Long open time • Tested in accordance with EN 12004, C2 TE
- Mixed with CEMLATEX 600 conforms to EN12004 C2 TE S2
- **FLEXIBLE, deformability > 2 mm**
- **CE**

This product improvable with CEMLATEX 600



TECHNICAL FEATURES:

BENFERGRIP+ is a HIGHLY TIXOTROPIC powder adhesive consisting of highly resistant cement, selected quartz, 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. It has been formulated to develop high resistance to slippage when fixing wall tiles

- Tiles can be fixed without spacers, and working from the top down
- BENFERGRIP+ 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
- BENFERGRIP+ white does not contain sand and therefore it is particularly suitable also for laying glass mosaic.

AREAS OF APPLICATION:

Laying of porcelain, single fired and non-absorbent tiles, glass and ceramic mosaic, stable natural stones:

- For Interior and exterior walls and floors
- Suitable for heavy duty areas (with CEMLATEX 600)
- Private and public swimming pools (with CEMLATEX 600).

CONTRACT ITEMS SPECIFICATIONS: Floor and wall coverings must be applied with a flexible, one part, cement based adhesive, application thickness up to 15 mm, no vertical sliding, classified C2TE in accordance with EN 12004, like BENFERGRIP+ by Benfer.



TECHNICAL ASSISTANCE



INSURANCE GUARANTEE



TECHNICAL MEETINGS



PROFESSIONAL USE

SUITABLE SUBSTRATES:

- Concrete
- Cement-based screeds, standard or heated with water system or electric* resistance
- Cement-based plaster
- Flexible waterproofing membranes made up of cement and polymers (ACQUASHIELD-2KF)*
- Cement based blocks

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
- Elastomeric waterproofing membranes (ACQUASHIELD-GEL)*
- Gypsum boards (prior application of BENFERPRIM or STARPRIM)

*Mixed with CEMPLATEX 600

MAXIMUM SIZES:

- Internal floors with maximum length of longest tile side up to 90 cm.
- External floors with maximum length of longest tile side up to 45 cm.
- Internal walls coverings with maximum length of longest tile side up to 60 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.

MAXIMUM SIZES WITH CEMPLATEX 600:

(25 KG BENFERGRIP+ with 5 KG CEMPLATEX 600):

- Internal floors with maximum length of longest tile side up to 360 cm.
- External floors with maximum length of longest tile side up to 120 cm.
- Internal walls coverings with maximum length of longest tile side up to 360 cm
- External walls coverings with maximum length of longest tile side up to 120 cm

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



METHOD 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 BENFERGRIP+ with 31% of water (7,75 litres for one 25 kg bag), until you obtain a homogeneous, bright, plastic adhesive. Leave it to rest 5 minutes, and then re-mix rapidly.

The adhesive is now ready for use and it must be used within 4 hours.

Mix BENFERGRIP+ with CEMLATEX 600: mix BENFERGRIP+ with 5 kg di CEMLATEX 600 and 2,5 liter of water until you obtain a homogeneous, bright, plastic adhesive. Leave it to rest 5 minutes, and then re-mix rapidly. The adhesive is now ready for use and it must be used within 3 hours.

TILING:

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

EXTERIOR: The contact between tile and adhesive must be 100% so to avoid the 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 BENFERGRIP+ on the back of the tiles.

We suggest to do the same things even inside for:

- Floor tiles largest than 500 cm² with water absorption of the tiles \geq 0.5% (e.g. porcelain tiles)
- Floor tiles largest than 1100 cm² with all the other types of tiles
- Wall tiles largest than 120 cm² with water absorption of the tiles \geq 0.5% (e.g. porcelain tiles)
- Wall tiles largest than 500 cm² with all 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 of the mix is approximately 30 minutes. In 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 tile. To improve workability, especially in summer, it is beneficial to exclude draughts. In the first 48 hours after application, the adhesive does not withstand frost. Flooring installed using BENFERGRIP+ can be walked over cautiously after about 12 hours for grouting, (48 hours for temperature below 15°C). Fully loadable after 7 days.

CLEANING: The cleaning of the coating must be effected by means of a damp cloth or sponge when the adhesive has already started to set and it can be done using greater quantity of water only after 48 hours from tiling.

PACKAGING: BENFERGRIP+ is available in 25 kg poly-lined bags, in 1.500 kg and 1125 kg pallet.

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 used trowel and to the laying system (simple or double gluing).

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<10000	double gluing	20	8
Ext.floor	400<S<1100	double gluing	8/10	5/6
	1100<S<3600	double gluing	10/15/20	6/7/8
Int.wall	S<400	simple gluing	6	3,5
	400<S<2000	double gluing	8/10	5/6
	2000<S<3600	double gluing	10	6
Ext.wall	S<400	double gluing	6	4,5
	400<S<2000	double gluing	8/10	5/6
	2000<S<3600	double gluing	10	6

PRODUCT TECHNICAL DATA	Mixed with water	Mixed with CEMLATEX 600
Classification EN 12004:	C2TE	C2TES2
Basis:	Cement, aggregates, additives	
Colour:	Extra white and grey	
Apparent mass volume:	1,25 kg/dm ³	
Maximum grain size:	0,5 mm	
Storage and Duration:	12 months in the original closed package in a cool dry place	
Danger of toxicity:	No. The product may cause irritation to the eyes and skin due to presence of cement	
Inflammable:	No	
Mixture ratio:	31 %, 7,75 lt water/25 kg bag	5 lt CEMLATEX 600 + 2,5 lt water/25 kg bag
Mixture consistency:	Creamy	
Density of paste:	1,60 kg/dm ³	
Application temperature:	From + 5°C to + 35°C	
Pot life:	About 3 hours*	
Open time:	30 minutes*	
Vertical sliding to EN 1308:	< 0,5 mm	
Maximum thickness:	15 mm	
Foot traffic after:	12 hours*	
Grouting:	12 hours*	
Full service:	7 days*	
Final hardening:	28 days*	
Final performance:		
Adhesion (after 28 days):	> 1,0 N/mm ²	
Adhesion after warming:	> 1,0 N/mm ²	
Adhesion after water immersion:	> 1,0 N/mm ²	
Adhesion after frost-thaw cycles:	> 1,0 N/mm ²	
Deformability according EN 12004:	2,0 mm	
Temperature resistance:	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.