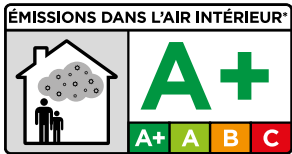




BENFERFIX RAPIDO

Rapid hardening and setting for laying floor and wall tiles, indoor and outdoor

- Fast setting
- Can be spread in a layer of up to 15 mm
- When mixed with CEMPLATEX 600, it is ideal for application on wooden composites, porcelain stoneware, large sizes and for application on heated screed
- Elevated flexibility
- **CE**



*This product
improvable with
CEMLATEX 600*

TECHNICAL FEATURES: BENFERFIX RAPIDO is a powder adhesive made up by grey cements, aggregates with selected granulometry and special additives. Its formula has been conceived and developed in order to meet the constantly increasing demand for quick laying of floors and quick coating of walls in premises open to the public, such as bars, discotheques, supermarkets, swimming pools, offices or private premises in which, in any case, the coming and the going of people should be stopped only for the least possible time, such as manufacturing plants, cold storage rooms, bathrooms, staircases, kitchens and terraces in flats that are already inhabited. In fact, floors laid with BENFERFIX RAPIDO can be walked on with caution, for the purpose of filling the joints, after only 2-3 hours from the laying, even in the case of foundations with limited absorbing power as it generally happens with pre-existent floors. BENFERFIX RAPIDO is also recommended when it is possible that the temperature will drop below zero few hours after the laying. Mixed with our product CEMPLATEX 600 it becomes the most suitable product for laying ceramic floor tiles over timber wood.

AREAS OF APPLICATION: Rapid hardening and setting for laying porcelain tile and single-fired tiles, natural stones humidity stumble and floors and walls even for interior and exterior.



TECHNICAL
ASSISTANCE



INSURANCE
GUARANTEE



TECHNICAL
MEETINGS



PROFESSIONAL
USE

MIXED WITH CEMPLATEX 600:

- For application on wooden floors (format up to 60x60), surfaces subject to oscillations
- Rooms subject to oscillations
- Heated screeds with water system or electrical system

CONTRACT ITEM SPECIFICATIONS: Ceramic floors and walls must be laid with a single component, cement-based adhesive, with rapid setting and rapid hardening and conforming to norm EN 12004 class C2F as BENFERFIX RAPIDO by Benfer.

SUBSTARATES:

- 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*
- Wooden composites panels*
- Surfaces and supports subject to oscillation*
- Old ceramic tiles (prior application of an appropriate primer)
- Standard or waterproof plasterboard
- Elastomeric waterproofing membranes (ACQUASHIELD-GEL)

*mixed with CEMPLATEX 600

MAXIMUM SIZES:

- Internal floors: maximum length of longest tile side up to 90 cm.
- External floors: maximum length of longest tile side up to 30 cm.
- Internal walls: maximum length of longest tile side up to 60 cm
- External walls: maximum length of longest tile side up to 30 cm.

MAXIMUM SIZES mixed with CEMPLATEX 600:

- Internal floors: maximum length of longest tile side up to 360 cm.
- External floors: maximum length of longest tile side up to 120 cm.
- Internal walls: maximum length of longest tile side up to 360 cm
- External wall: maximum length of longest tile side up to 90 cm

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



METHOD OF USE:**SUBSTRATES PREPARATION:**

Foundations should be stationary and non-deformable, not free to do any movement outside the elastic oscillations and vibrations that are proper for the structures. Consequently, light or thin prefabricated panels are not indicated, unless product mixed with CEMLATEX 600 is used. The most proper foundations are made of exposed cement, expansive cement, cement plaster, and cement mortar, even if they are still fresh, but provided they resist the action of the spatula. Old interior plastering should be in good condition and free from oil, grease and dust. In the presence of paint, this should be in best conditions, washed and degreased, otherwise it will be absolutely necessary to scrape it off carefully until the plastering is revealed. Old exterior plastering should be in very good condition of resistance and definitely free from paint. The chalky plasters should be perfectly dry and previously treated by a brush with the special product called BENFERPRIM. In order to perform interior or exterior laying of floors, the mortar should be free from dust and have totally completed its water shrinkage. By pre-existing floor it has to be previously washed and degreased with duty care, and if some levelling corrections are necessary, BENFERFIX RAPIDO can be used (mortar layers up to 5 mm), but the mortar should be left to harden for about one hour before starting to lay the floor.

PREPARATION OF THE MIXTURE:

Mix BENFERFIX RAPIDO with about 26% of clean water of the powder weight, taking care to pour the powder into the water and not vice versa, until you obtain a homogeneous paste. The adhesive is now ready for use and it will remain workable for about half an hour before starting to set. For laying ceramic floor tiles over timber wood mix half of the contents of the can of CEMLATEX 600 with half of the powder of the bag and use it within half an hour.

TILING: INTERIOR: Lay the tiles by exerting a good pressure so that contact with the adhesive will be at least 95-100% of their surface.

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 BENFERFIX EXTRA 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 50% of relative humidity, the open and the correction times of BENFERFIX RAPIDO are of about 15 minutes. Under unfavourable conditions and on particular substrates, these time intervals can be notably reduced. Therefore, it is advisable to spread the adhesive gradually to verify often, before laying the tiles, that the applied adhesive has not formed a film on its surface. In order to improve the workability, particularly during the summer, it will be useful to damp the working place and to eliminate the possible currents of air. In the first 12 hours that follow the tiling, the glue cannot stand the frost. The floors made with BENFERFIX RAPIDO can be opened to foot-traffic only about 2/3 hours from the tiling for the grouting, and into service after 3 days.

CLEANING: The cleaning of the coatings should be performed with a moist cloth or sponge when the glue has already started to set and it can be repeated by using more water only after several hours after the laying.

PACKAGING: BENFERFIX RAPIDO is available in 20 kg poly-lined bags and 1 120 kg pallet loads.

STORAGE: In the original closed package in a cool dry place.

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

CONSUMPTION: It depends on the condition of the substrate and the type of trowel utilized.

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	15	7
Ext. Floor	400 < S < 1100	double gluing	8/10	5/6
	1100 < S < 3600**	double gluing	10/15	6/7
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

* In rooms classified as U4 P4S, double coating:

** Suitable format, only in addition to CEMLATEX 600

PRODUCT TECHNICAL DATA	MIXED WITH WATER	MIXED WITH CEMLATEX 600
Classification EN 12004:	C2F	C2FS2
Basis:	Cement, aggregates, additives	
Colour:	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:	26 %- 5,2 litres water/ 20 kg bag	5 litres CEMLATEX 600 and 0,60 litres water/20 kg bag
Mixture consistency:	Creamy	
Density of paste:	1,65 kg/dm ³	
Application temperature:	From + 5°C to + 35°C	
Pot Life:	30 minutes*	
Open time:	15 minutes	
Maximum thickness application:	15 mm	
Foot traffic after:	2-3 hours*	
Grouting after:	2-3 hours	
Full service:	3 days	
Final hardening:	7 days	
Final performance:		
Adhesion at start (after 28 days):	> 1,0 N/mm ²	
Adhesion after the effect of heat:	> 1,0 N/mm ²	
Adhesion after immersion into water:	> 1,0 N/mm ²	
Adhesion after frost-thaw cycles:	> 1,0 N/mm ²	
Temperature resistance:	From -30°C to +90°C, 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.