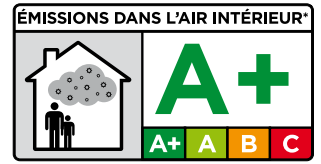




BENFERFLEX RAPIDO

Rapid hardening and fast setting flexible adhesive



- Elevated flexibility
- Ideal for porcelain
- Ideal for large sizes
- Extra white and grey
- Ideal for interior and exterior wall and floor
- Fast setting
- Tested in accordance with EN 12004, C2 F S1
- **CE**



TECHNICAL FEATURES: BENFERFLEX RAPIDO is a flexible adhesive consisting of high-strength cements, graded particle size aggregates, synthetic resins and special additives. It has been formulated and developed for rapid, reliable installation of marble, granite, natural stone, porcelain tile and ceramic tile on cement based screeds, non-absorbent substrates and onto substrates subject to slight dimensional variation. Ideal for floor application subject to heavy loads.

AREAS OF APPLICATION:

Fast setting laying of porcelain, ceramic tiles and water stable natural stones on:

- Interior and exterior wall and floor
- Heated screeds (hot water or electric cable system)
- Wooden substrates



TECHNICAL ASSISTANCE



INSURANCE GUARANTEE



TECHNICAL MEETINGS



PROFESSIONAL USE

CONTRACT ITEMS SPECIFICATIONS

Floor and wall coverings must be applied with a flexible, fast setting, cement based adhesive, classified C2FT S1 in accordance with EN 12004, like BENFERFLEX RAPIDO by Benfer Schomburg s.r.l.

SUBSTRATE

- Concrete
- Cement-based screeds, standard or heated with water system or electric resistance
- Cement-based plaster
- Flexible waterproofing membranes made up of concrete and polymers (AQUAFIN-2K/M)
- Concrete blocks

INSIDE ONLY

- Fluid cement-based screeds (prior application of an appropriate primer if demanded), standard or heated with water system or electric resistance
- Wooden boards
- Wooden substrates
- Old ceramic tiles (prior application of an appropriate primer if demanded)
- Standard or waterproof plasterboard
- Elastomeric waterproofing membranes (SANIFLEX)

MAXIMUM SIZES

- Interior floors up to 10,000 cm²
- External floors up to 3,600 cm²
- Internal and external tiles up to 3,600 cm²

Verify the limits of tile size according the type of coating and the substrate on the "selection guide" table.

METHODS OF USE:

The substrates must be solid, 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 removed. Do not use on gypsum, anhydrite. Do not use on plastics or metals. Absorbent substrates must be treated with Benferprim. Do not use on substrates which are subject to rising damp. 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, the joints between walls, and the joints between wall and floor. In any event, expansion joints or perimeter joints must be left about every 20 m². Wooden substrates must be solid, with an adequate thickness and firmly attached to the substrate, so that the deflection is minimized.

MIXTURE PREPARATION:

Mix BENFERFLEX RAPIDO with 26% of water (5.2 litres of water for one 20 kg bag of powder), until the mixture has a uniform, gloss appearance and plastic consistency. The adhesive is now ready for use, and remains workable for approximately 30 minutes.

APPLICATION:

INTERIOR: Lay the tiles by applying sufficient pressure that there is at least 95-100% contact between tile and adhesive.

EXTERIORS: contact must be 100% so as to prevent the infiltration of rainwater, which in the event of frost, could cause the tiles to detach. You are therefore advised to spread a layer of BENFERFLEX RAPIDO on the back of the tiles too.

We recommend this method for interior tiling, in the following cases:

- floor tile sizes exceeding 500 cm² with tiles with absorption of less than or equal to 0.5% (e.g. porcelain tile).
- floor tile sizes exceeding 1 100 cm² with other types of tile.
- wall tile sizes exceeding 120 cm² with tiles with absorption of less than or equal to 0.5% (e.g. porcelain tile).
- wall tile sizes exceeding 500 cm² with other types of tile.
- special applications such as industrial cold rooms, baths, swimming pools etc..

At 23° and with 50% relative humidity, the open time of the mix is approximately 20 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 the summer, it is beneficial to exclude draughts. In the first 12 hours after application, the adhesive does not withstand frost. Flooring installed using BENFERFLEX RAPIDO can be walked over cautiously after about 3 hours for the purpose of grouting, and is ready for normal use after 3 days.

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

Support	Tile surface	Laying System	Trowel type mm.	Consumption kg / m ²
Interior floor	S < 1100	simple gluing	8 / 10	4 / 5
	1100 < S < 3600	double gluing	10 / 15	6 / 7
	3600 < S < 10000	double gluing	15	8
Ext. floor	400 < S < 1100	double gluing	8 / 10	5 / 6
	1100 < S < 3600	double gluing	10 / 15	6 / 7
Interior 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

CLEANING: Tiling should be cleaned with a damp cloth or sponge when the adhesive has already started to set. Allow 24 hours after completion of tiling before cleaning with larger quantities of water.

PACKAGING: BENFERFLEX RAPIDO is packed in 20 kg poly-lined bags, is supplied on pallets of 1,260 kg.

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

SHELF LIFE: Grey version: 12 months from the date printed on the packaging; pursuant to EU directive 2003/53/CE, we inform that the expiry dated refers to the efficacy of the reducing agent in relation to Chromium VI Salts. White version: 12 months.

PRODUCT TECHNICAL DATA

Appearance:	extra-white / grey powder
Conservation:	in the original unopened packaging, in a dry place
Danger of harm:	no. Possible irritation of the eyes and the skin for contact due to the cement content ;adequate protection is recommended
Flammability:	no
Mixing ratio:	26 parts water with 100 parts powder by weight
Liquid mixture:	5.2 liters per 20 kg sack of powder
Maximum application depth:	10 mm
Coverage:	from 3.5 to 7 kg/m ²
Application temperature:	+ 5° c to + 30° c
Pot life	30 minutes
Open time at 23°c and 50% humidity:	20 minutes
Walkover time with caution for grouting on dry supports at 23° c:	3 hours
Final hardening on dry supports:	14 days
Resistance to temperature	from -30° c to + 80° c

dati rilevati a +20°C e 65% di umidità relativa

FINAL PERFORMANCE

conforms to EN 12004 CLASSE C2F S1

NB: 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.