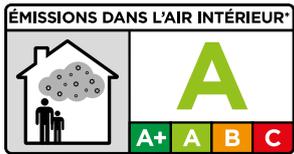
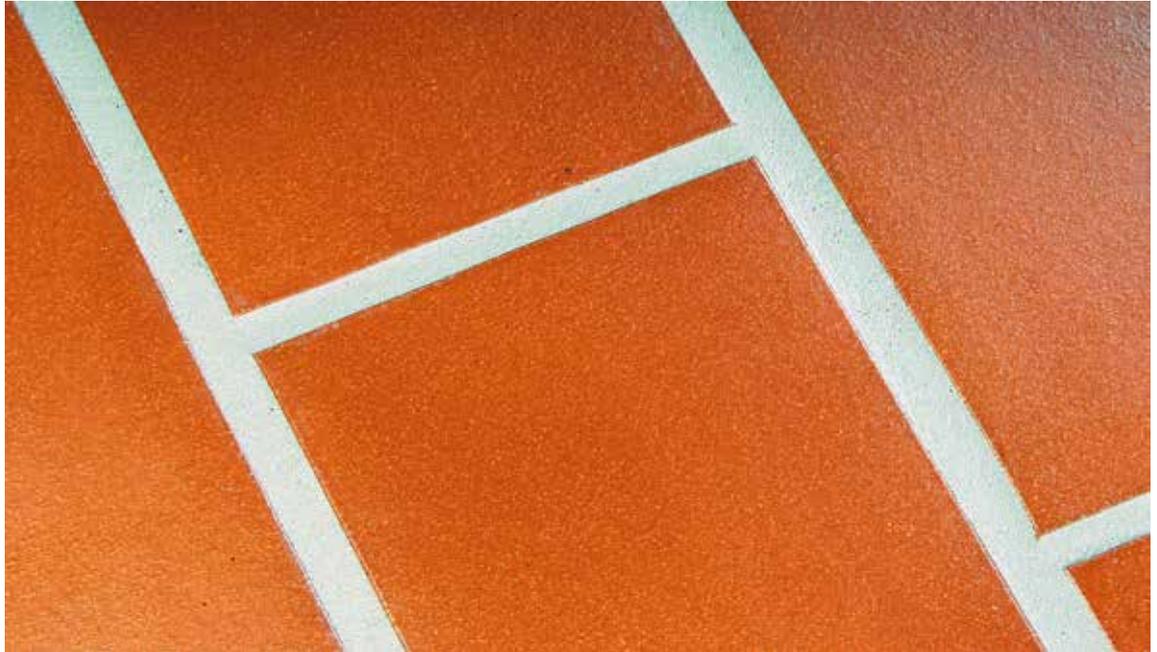




# EPOXYJOINT

Two part antiacid adhesive-grouting mixture for joints



## TECHNICAL FEATURES:

Bi-component anti-acid sealer-adhesive. It is a special bi-component product based on epoxy resins, select quartz and special additives, suitable for gluing and filling all types of ceramic floor and wall coverings on a variety of supports, with exceptional waterproof qualities and resistance to chemical and mechanical aggression. Designed to harden rapidly and without shrinkage and easy to clean with water, Epoxyjoint is available in various colors that enhance the appearance of the coverings and guarantee resistance to aging and joint cleanliness that is not possible with traditional grouts.

## AREAS OF APPLICATION:

Execution of joints in all types of ceramic floor and wall coverings (excluding those with absorbent surfaces) up to 10 mm of width in:

- Environments for food preparation use (dairies, butcheries, wine canteens, dressed pork factories, cheese factories)
- Swimming pools and tanks containing chemically aggressive liquids
- Laboratory counters, kitchen counters, hospitals
- Any place where a covering that is long lasting, easy to clean and attractive is desired



TECHNICAL ASSISTANCE



INSURANCE GUARANTEE



TECHNICAL MEETINGS



PROFESSIONAL USE

## CONTRACT ITEM SPECIFICATIONS:

Ceramic floors and walls must be laid and/or grouted with an epoxy adhesive/sealer, flexible and antibacterial, mold resistant, hydrophobic, conforming to norm EN 13888 class RG and to norm EN 12004 class R2T with deformation higher than 10 mm, as EPOXYJOINT by Benfer.

**METHOD OF USE:****SUBSTRATES PREPARATION:**

The foundation must be stationary and non-deformable, not free to do any movements outside the elastic oscillations and vibrations, which are proper for the structures. Consequently, foundations made of light panel and thin prefabricated panels are not suitable. The joints should be cleaned with care before the application by removing totally any traces of cement by passing on the total thickness of the tile and moreover there it must not be any dust, oil traces or other anti-adhesive substances. It is also indispensable that the joints and the employed mortar for the setting execution are completely dry. To execute a good work with EPOXYJOINT it is very important the element "room temperature" which has a great influence on the times of workability of the product and on the times of crossing on the floor, at 20°C (ideal temperature value for an easy employment) in fact the open time (if the product is used as an adhesive) is of about 30 minutes, the adjustability time is of about 60 minutes and that of opening to the pedestrian crossing is of about 24 hours. At 15°C these values are very much longer and that makes possible the pedestrian crossing only after about 80 hours, whereas at more than 30°C the times of workability are too short.

**PRODUCT PREPARATION:**

EPOXYJOINT is sold in 5 kg total bucket that contains 2 pastes, that are pre-dosed in the right ratio (paste A g. 4650 paste B g. 350) to mix entirely in the original packing with clean and dry tools until you obtain a homogeneous whole. It is absolutely forbidden to add water or any other substance to the product, from which it would be irretrievably damaged. During the mixing, the setting and the sponge-cleaning operations it is suggested always to use protective gloves, because paste B is irritant for the skin.

**PRODUCT APPLICATION:**

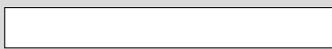
Spread EPOXYJOINT with a hard gummy spatula or a flexible metallic spatula, by exerting a good pressure, so that the product will penetrate deeply, then remove accurately the excess grouting parts, while pressing the treated surfaces with hard sponge, that has to be often rinsed and changed when it becomes too imbued. To execute a good work it is very important to find the most proper moment to pass the sponge because, if you delay too long from the beginning of the setting, the cleaning operation would become too difficult; in this last case, we suggest to add the 10% alcohol to the washing water. Once the hardening process has completed, the grout is cleanable only by mechanical means.

**CLEANING:** With water, immediately after application.

**PACKAGING:** 5 kg buckets.

**STORAGE:** 24 months in a dry place, in the original closed package; open bags must be closed again and used as soon as possible.

**Colour Table**

	COLOUR	CODE	PACKAGING	EUROPALLET
	Bianco	Bianco	5 kg bucket	80 buckets pallet
	Grigio chiaro	7035	5 kg bucket	80 buckets pallet
	Grigio	7030	5 kg bucket	80 buckets pallet
	Beige	1013	5 kg bucket	80 buckets pallet

**CONSUMPTION:** The coverage is strongly influenced by the size and thickness of the tile together with the width of the joints which should be less than 10 mm and it changes from about 0,8 to 2,5 kg/m<sup>2</sup>.

<b>EPOXYJOINT - Coverage table -</b>						
Coverage: kg per 10 m <sup>2</sup> of tiled surface						
Size of the tile (cm)	Thickness (cm)	Width of the joint (mm)				
		2	3	4	5	8
2,5 x 2,5	0,4	9,20	13,8			
10 x 10	0,6	3,90	5,90	7,90	9,80	15,7
12,5 x 12,5	1,0	5,20	7,90	10,5	13,1	21,0
10 x 20	0,8	3,90	5,90	7,90	9,80	15,7
24 x 11,5	1,2	5,50	8,30	11,0	13,8	22,0
20 x 20	1,4	4,60	6,90	9,20	11,5	18,4
20 x 20	0,8	2,60	3,90	5,20	6,60	10,5
30 x 30	0,8	2,10	3,10	4,20	5,20	8,40
40 x 40	1,0	2,00	3,00	3,90	4,90	7,90
30 x 60	1,0	2,00	3,00	3,90	4,90	7,90
60 x 60	1,0	1,30	2,00	2,60	3,30	5,20

## PRODUCT TECHNICAL DATA

Classification:

Consistency:

Colour:

Specific weight:

Maximum grain size:

Danger of toxicity:

Inflammable:

Mixture ratio:

Mixing time:

Consistency of paste:

Density of paste:

Pot Life:

Application temperature:

Largeness of application:

Foot traffic after:

Full service:

Final hardening:

Humidity resistance:

Aging process resistance:

Resistance to oil:

Resistance to chemical agents:

Resistance to alkalis:

**Final performance:**

Starting shear strength:

Adhesion after water immersion:

Shear strength after thermal shock:

Deformability to EN 12004:

Temperature resistance by:

Storage and Duration:

EN 13888 RG and EN 12004 R2T

**Part A:** Doughy. **Part B:** Dense liquid

See table

**Part A:** 1,65 kg/dm<sup>3</sup> - **Part B:** 0,95 kg/dm<sup>3</sup>

0,3 mm

**Part A:** The product may cause irritation to the eyes and skin. May cause sensitization.

**Part B:** Caustic and toxic for contact with skin, ingestion and inhalation. May cause sensitization.

No

**Part A:** **Part B** =94:6

2-3 minutes (mixer . 300 - 500 r/min)

Doughy

1,40 kg/dm<sup>3</sup>

45 minuti at + 23°C

From + 12°C to + 30°C

From 1 to 10 mm

24 hours

24 hours

Afeter 14 days

Excellent

Excellent

Good

Excellent

Excellent

> 2,0 N/mm<sup>2</sup>

> 2,0 N/mm<sup>2</sup>

> 2,0 N/mm<sup>2</sup>

> 5 mm

From -20°C to +100°C

24 months in a dry place, in the original closed package; open bags must be closed again and used as soon as possible.

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.