

# epoxy grout 2-12

## 2-component epoxy grout

RG type

- High mechanical strength
- Zero permeability
- Antifungal and bacteriostatic properties
- RG type grouting material according to EN 13888



# EPOXY GROUT 2-12

## 2-component epoxy grout

### DESCRIPTION

Bi-component, solvent-free epoxy grout. It exhibits exceptionally high mechanical strength and resistance to chemicals, while it is water and stain resistant, and antifungal.

Available in 5 colours: EP110 white, EP120 beige, EP130 light grey, EP140 grey and EP150 black.

Classified as RG type grouting material according to European standard EN 13888.

### APPLICATIONS

EPOXY GROUT 2-12 is used for grouting joint widths of 2-12 mm between all types of ceramic tiles, marble, stone, and granite.

It is suitable for use in direct contact with potable water. It is ideal for grouting tiles or glass mosaics in swimming pools, natural thermal spring baths, chemical industries, food and beverage industries, slaughterhouses, dairy industries, battery production and recharging facilities, wastewater treatment facilities, professional kitchens, chemical laboratories, hospitals, clinics, laundries, etc. It can be applied on both vertical and horizontal surfaces.

### PROPERTIES / ADVANTAGES

- Excellent workability.
- Easy application on both vertical and horizontal surfaces.
- Very good chemical properties and resistance to acids, bases, chemical agents that cause oxidation, salt water, chlorinated water, etc.
- High flexural and compressive strength, and high bonding capacity
- Excellent abrasion resistance.

### HARMONIZED STANDARDS / REGULATIONS

- EN 13888: Epoxy grout, type RG (Resin Grout).
- **Directive 2004/42/EK** (Annex II, Table A): EPOXY GROUT 2-12 has VOC content <250 g/l (Cat A/j <500 g/l).
- **Specifications PIEN12873\_1**, General Chemical State Laboratory of Greece (ref. no. 00468/015/000/

17.05.2014): the product is suitable for applications in contact with potable water.

- **Regulation (EE) No. 305/2011:** CE marked product with Declaration of Performance (DoP): EPOXY-GROUT2-12/CPR-7-13/099/04-2024.

### APPLICATION INSTRUCTIONS

- Before application, the joints must be clean and dry, free from dust, grease, loose residues, etc.
- Components A (resin) and B (hardener) are pre-measured, and care must be taken to ensure that the entire quantity of component B is emptied into the container of component A.
- Mixing of the two components should be carried out for approximately 3-5 minutes with a low-speed drill (300 rpm), making sure to also stir the material adhering to the walls and bottom of the container.
- The material is applied with a rubber spatula, fully filling the joints, while the excess is removed diagonally across the joints with the spatula.
- Once EPOXY GROUT 2-12 has sufficiently set, the joint surface is cleaned with a slightly damp sponge.
- The tile surface is cleaned with a wet sponge. The use of lukewarm water facilitates cleaning. For even easier removal of stains from EPOXY GROUT 2-12, 10% ethyl alcohol (ethanol) may be added to the water.

### CLEANING OF EQUIPMENT

Clean all tools and application equipment with water immediately after use. Hardened material can only be mechanically removed.

### RECOMMENDATIONS

- Temperature during application should be between +7°C and +35°C.
- EPOXY GROUT 2-12 remains workable and allows for adjustments and cleaning for more than 2 hours at 23°C. At lower temperatures, this time is extended, while during summer (temperatures >30°C) the time is reduced.
- Don't mix the product with cement, water, aggregates or other admixtures.

TECHNICAL CHARACTERISTICS		
PRODUCT CHARACTERISTICS	COMPONENT A	COMPONENT B
Appearance	white or coloured paste	paste
Bulk density	1.70 ±0.05 kg/lit	
Density		1.30 ±0.05 kg/lit
APPLICATION CHARACTERISTICS (+23°C / 50% R.H.)		
Mixture density	1.60 ±0.05 kg/lit	
Pot life (EN 1015-9)	2 hours	
Application temperature	minimum: +7°C / maximum: +35°C	
Joint width	2-12 mm	
PERFORMANCE CHARACTERISTICS		
Abrasion resistance (EN 12808-2, ≤ 1000 mm <sup>3</sup> )	165 mm <sup>3</sup>	
Flexural strength after 28 days (EN 12808-3, ≥ 30 N/mm <sup>2</sup> )	32 N/mm <sup>2</sup>	
Compressive strength after 28 days (EN 12808-3, ≥ 45 N/mm <sup>2</sup> )	54 N/mm <sup>2</sup>	
Water absorption (EN 12808-5, after 240 min)	≤ 0.1 g	
Acid resistance	very good	
Temperature resistance (continuous exposure)	from -40°C to +80°C	

**Note:** Measurements were conducted in a laboratory environment. The varying conditions present on-site (temperature, humidity, ventilation, substrate absorbency) may affect the material's properties.

#### SAFETY PRECAUTIONS

- Component A: Contact with skin causes irritation. Causes serious eye irritation. May cause an allergic skin reaction.
- Component B: Causes severe skin burns and eye damage. Harmful if swallowed. May cause an allergic skin reaction.
- Always wear appropriate personal protective equipment for eyes and skin (protective clothing, gloves and goggles).
- If skin contact occurs, rinse well with plenty of clean water.

- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Once hardened the product is harmless.
- Consult product's Safety Data Sheet for further instructions on safety handling.
- **PRODUCT FOR PROFESSIONAL USE.**

#### CONSUMPTION

Depending on the width of the joint and the dimensions of the tiles.

Indicative consumption values are shown in the table below (in kg/m<sup>2</sup>):

TILE DIMENSIONS (mm)	JOINT WIDTH (mm)			
	2	3	4	5
25 x 25 x 3	0.95	1.10		
30 x 30 x 3	0.95	1.10		
200 x 200 x 8	0.35	0.50	0.70	0.90
200 x 200 x 10	0.40	0.65	0.85	1.05
300 x 300 x 8	0.25	0.35	0.45	0.50
400 x 400 x 10	0.15	0.25	0.35	0.40
125 x 250 x 8	0.40	0.60	0.80	1.00
125 x 250 x 10	0.50	0.70	0.90	1.10

## PACKAGING - STORAGE

Available in:

- 3 kg, 5 kg and 10 kg plastic containers (A+B).

**Storage:** 12 months from production date, if stored in original, sealed containers, protected from direct sunlight, moisture and frost.

## LEGAL NOTICE

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ence of the company. The above information shall be considered merely indicative and subject to confirmation after long-term practical application. For this reason, anyone who intends to use the product must ensure that it is suitable for the envisaged application. Since the specific site conditions during the applications are beyond the control of our company, the user alone is fully responsible for any consequences deriving from the use of the product. **FINOBETON S.A. (FINOMIX)** has the right to modify the properties of its products without prior notice. This release voids any previous publications issued for this technical specifications sheet.

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