



G4

EPOXY GROUT

Tow component epoxy grout easy to apply, ideal for grouting ceramic tiles and mosaics.

EPOXY GROUT CERAMIC TILES MOSAICS

CLASSIFICATION ACCORDING TO EN 13888

Kerapoxy CQ is an RG-class reactive (R) grout for tile joints (G).

WHERE TO USE

Internal and external grouting of ceramic, stone material and glass mosaic floor finishes.

Particularly suitable for grouting large areas where easy application and cleaning is required.

Also suitable for acid-resistant bonding and rapid setting of ceramic tiles, stone materials, fibre-cement, concrete and any other building material on all types of substrates normally used in construction.

APPLICATION EXAMPLES

- Grouting materials with an uneven surface where it would be difficult to apply and clean traditional epoxy mortar.
- Grouting of anti-bacterial tiles.
- Grouting of surfaces where a high protection against the formation and proliferation of micro-organisms is required.
- Grouting tiles on laboratory benches, kitchen worktops, etc.
- Grouting industrial floor tile finishes (galvanizing plants, tanneries, battery rooms, paper works, etc.), where high mechanical strength and a high resistance to attack by acids is required.
- Grouting swimming pools, especially recommended for pools containing spa or sea water.
- Bonding marble doorsteps and window-sills.
- Bonding tiles in plastic reinforced by fibre glass swimming pools.
- Bonding special pieces of tiles.

PACKAGING

The product is available in 0.5 kg ,1 and 3 kg.

SAFETY INSTRUCTIONS

Epoxy grout **component A** is irritant for the eyes and skin. Both component A and B may cause sensitization in those predisposed. Epoxy grout **component B** is corrosive and may cause burns. The product contains low weight epoxy resins that may cause sensitization if cross-contamination with other epoxy compounds occurs. During use wear protective gloves and goggles and take the usual precautions for handling chemicals. In case of contact with the eyes and the skin wash immediately with plenty of water and seek medical attention.

TECHNICAL DATA

Consistency of mix:	creamy paste
Density of mix (kg/m ³):	1,600
Pot life of mix:	30 minutes
Application temperature range:	from 7°C to 40°C
Set to light foot traffic:	12 hours
Ready for use:	3 days
Flexural strength	38
Compressive strength (N/mm ²):	49
Abrasion resistance	147 (loss in mm ³)
Water absorption (g):	0.05
Resistance to humidity:	excellent
Resistance to ageing:	excellent
Resistance to solvents and oil:	very good
Resistance to acids and alkalis:	excellent
In service temperature range:	from -5°C to +90°C



EPOXY GROUT

Two component epoxy grout easy to apply, ideal for grouting ceramic tiles and mosaics.

TECHNICAL CHARACTERISTICS

- Epoxy Grout has excellent resistance to acids and is very easy to clean. Has a bacteriostatic agent, preventing from the proliferation of bacteria and the formation of mould on the surfaces of grouts, making tiled surfaces hygienic and safe.
- This is a product with very low emission of volatile organic compounds .
- When applied correctly, it produces tile joints with the following characteristics:
- excellent mechanical strength and resistance
- to chemicals, therefore excellent durability;
- Smooth and compact, surface finish which is non-absorbent and easy to clean
- high degree of hardness, excellent resistance to heavy traffic
- no shrinkage and, therefore, no cracking;
- excellent workability, highly improved compared with traditional epoxy mortars thanks to its creamy consistency, which guarantees faster application times and makes it easier to clean the surfaces, with less waste and easier to obtain a good finish.

TECHNICAL DATA

In compliance with : EN 13888

	Component A	Component B
Consistency	thick paste	liqued
Density (g/cm³):	1.85	0.98
Dry solids content (%):	100	100
Brookfield viscosity(mPa·s)	1,200,000	90,000

PRODUCT IDENTITY (COMPONENT A)

Consistency:	thick paste
Colour:	available in 19 di
Density (g/cm³):	1.85
Dry solids content (%):	100
Brookfield viscosity (mPa·s)	1,200,000
EMICODE (as a grout):	EC1 R Plus - ver

RECOMMENDATIONS

- Kerapoxy CQ does not guarantee perfect bonding if the edges of the tiles are wet or contaminated with cement, dust, oil, grease, etc. during grouting.
- Do not add water or solvents.
- Use the product at temperatures between 7°C and 40°C. However, at
- temperatures below 11°C application may be more difficult.
- The packages are pre-dosed and, therefore, it is not possible to make mixing errors if all the contents are mixed together. Do not rough guess the quantities when
- mixing the two components: hardening will be compromised if the catalysing ratio is wrong.

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WHERE TO USE

Preparation of the joints

The joints must be clean, free of dust and free from adhesive to at least 2/3 of the thickness of the tiles. Any adhesive or mortar which has seeped into the joints while laying the tiles must be removed while still fresh. Before grouting, make sure the installation mortar or adhesive has set and most of the moisture has been lost.

Preparation of the mix Pour the part B into the container of part A and mix well until a smooth paste is obtained. We recommend using a low-speed electric mixer to guarantee perfect blending, and to avoid overheating of the mix which would reduce working times. Use the mix within 30 minutes of preparation.

Application

Spread Epoxy grout over the tiled surface with, making sure that the joints are filled right down to the bottom. With the edge of the same float, strike off excess material.

Finish

After grouting with Epoxy grout, floor finishes must be cleaned while the grout is still "fresh". Cleaning of the joints may be carried out using a small amount of Epoxy Cleaner and an abrasive sponge for cleaning joints, taking care to avoid removing grout from the joints.

The sponge must be saturated with water when cleaning finishes.

The residual liquid may be removed with the same sponge, which must be replaced when it becomes too impregnated with resin, and the same technique may be used when finishing off the grouted joints. After the finishing operation, it is very important that no traces of Epoxy grout remain on the surface. Once hardened, it is very difficult to remove. In the case of very large floor surfaces, finishing may be carried out by wetting the surface and using a single-head rotary machine with special abrasive felt disks.



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