polywed CONSTRUCTION CHEMICALS بولي وود كيماويات البناء

G4

EPOXY GROUT

2-COMPONENT EPOXY GROUT FOR JOINTS 2 TO 20 MM WIDE, CLASS RG ACCORDING TO EN 13888

GROUT

G4 Epoxy Grout is a 2-component grout, based on epoxy resin, contains quartz aggregates and specific admixtures, has a delicate finishing and glossy colours and is ideal for areas that need to be kept perfectly clean.

USES

- Grouting ceramic or stone* floor and wall tiles such as vitreous or marble mosaic, porcelain stoneware, klinker, over areas or surfaces subjected to acid ag- gression,or in areas where non-absorbent tile grouts are demanded, such as dairies, tanneries, paper- mills, labor- atories of all kinds, slaughterhouses, professional use kitchens, etc.
- Grouting floors subjected to heavy traffic, industrial Warehouses, shopping centers, etc.
- Suitable for grouting swimming pool tiles, even when the pool is filled with seawater

* Before grouting on natural stone, it is advisable to check the clean ability and if stone colour is affected

ADVANTAGES

- Good resistance against chemicals
- Optimum workability and easy use
- Very easy to clean
- High hardness

ADVANTAGES

- 2-component epoxy grout, class RG according to EN 13888
- CE Marking and Declaration of Performance to EN 12004 - Adhesives for ceramic tiles

PRODUCT INFORMATION

Composition	Epoxy resin, quartz sand and special additives
Packaging	Plastic cans of 0.5,1 and 3 kg (A+B)
Appearance / Colour	As per color chart Comp.A: Dense coloured paste / Comp. B: viscous liquid
Shelf Life	24 months from date of production
Storage Conditions	Stored in undamaged original sealed packaging, in dry conditions and protected from direct sunlight , freezing and high temperatures (max 35 °C).
Density	~ 1.60 kg/l
Maximum Grain Size	Dmax= 0.2 mm

TECHNICAL INFORMATION

Abrasion Resistance	≤ 250 mm3 (EN 12808-2)
Compressive Strength	After dry storage: ≥ 45 MPa (EN 12808-3)
Tensile Strength in Flexure	After dry storage: ≥ 30 MPa (EN 12808-3)
Shrinkage	≤ 1.5 mm/m (EN 12808-4)
Tensile Adhesion Strength	Standard conditions (after 7 days): ~ 5.6 N/mm2 (EN 12003) After water immersion: ~ 7.4 N/mm2 (EN 12003) After water thermal shock: ~ 2.5 N/mm2 (EN 12003)
Chemical Resistance	Resistance to acids and alkalis Excellent Resistance to solvents and oil Very Good Resistance to humidity and aging Excellent
Water Absorption	After 240 min: 0.1 G (EN 12808-5)
Skid / Slip Resistance	≤ 0.5 mm (EN 1308)
Service Temperature	-20°C up to +100°C
Joint width	2-20 mm

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APPLICATION INFORMATION

Mixing Ratio	A:B = 94:6
Consumption	The consumption is depending on the surface and roughness of the substrate as well as on the size of the tiles and the gaps among them.
Ambient Air Temperature	+12°C up to +30°C
Substrate Temperature	+12°C up to +30°C
Pot Life	~ 45 minutes*
Open Time	~ 20 minutes*
Waiting Time	Before grouting allow: ▪ Grouting on floor with normal adhesive: 24 h* ▪ Grouting on floor with rapid setting adhesive: 4-6 h* ▪ Grouting on screed: 8-10 days* ▪ Grouting on wall with normal adhesive: 5-6 h* ▪ Grouting on wall with rapid setting adhesive: 2 h*
Applied Product Ready for Use	Light foot traffic after 24 h* Ready for use after 7 days* * Values refer to laboratory conditions: +23°C – r.h. 50%. Higher temperatures shorten the indicated time period while, oppositely, lower temperatures extend them.

APPLICATION INSTRUCTION

SUBSTRATE QUALITY / PRE-TREATMENT

Clean and dry, homogeneous, free from oils and grease, dust and loose or friable particles. Remnants from tile adhesive must be removed.

MIXING

G4 Epoxy Grout is a reactive grout. This means that it sets through a chemical reaction between the two components, A and B. It is therefore very important to ensure that these components are thoroughly mixed together.

Proceed by pouring the liquid (comp. B) into the paste (Comp. A) and then mix with a blender fitted with a preferably spiral whisk. The reaction that takes place is exothermic (heat development). Take into account that if the components are stirred at high speed, the developed heat will considerably speed up the hardening process and, thus, shorten the available workability time. The obtained paste will be creamy and can be easily applied with a squeegee.

APPLICATION

Application of the product

G4 Epoxy Grout is applied using a rubber squeegee to fill the joints over their whole width. Wipe off any excess of the material with the edge of the squeegee.

TILE CLEANING

Squeeze a sponge soaked in water over the grouted surface and using a felt of medium hardness, emulsify the product by making circular movements taking care not to damage the joint. After the cleaning operation, it is very important for the tiles to be completely free from traces of the grout, as once the product has hardened, it can only be mechanically removed. The sponge must therefore be rinsed off often with clean water during the cleaning operation.

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CLEANING OF EQUIPMENT

Removal of fresh remnants from tools and application equipment can be carried out using water immediately after use.

IMPORTANT CONSIDERATIONS

- Protract contact with acids and oxidants causes colour change.
- Do not attempt to use random mixing ratios of the two product components: this might compromise the hardening process
- Do not use the product after it has started to set. Prepare a fresh mixture.
- Use suitable protection equipment while handling and applying the product.
- Do not use it on porous surfaces.
- Do not use G4 Epoxy Grout when there is water in the joints.
- Do not use dark colour shades of the product on unglazed split tiles
- Do not use grouts subjected to movements.
- Do not wash with acid or strong oxidizing substances during application.
- Evaluate the clean ability before use on tiles that have a special nature.
- Avoid stagnation of cleaning water on joints recently tiled.

BASIS OF PRODUCT DATA

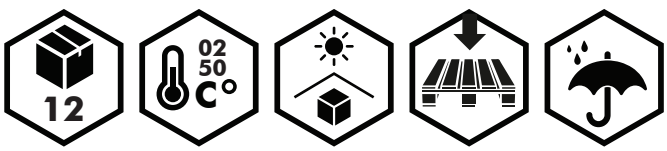
All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

HEALTH AND SAFETY INFORMATION

For information and advice on the safe handling storage and disposal of chemical products, users shall refer to the most recent MSDS containing all the details.control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application.



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