

EPODUR 1042 EPOXY JOINT FILLER

Epoxy Resin Based Tile Grout



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Ver:01/21

DESCRIPTION

EPODUR 1042 EPOXY JOINT FILLER is a three component solvent free epoxy resin based grout consisting of a base, hardener and specially selected fine fillers. The components are mixed together to give a smooth, non-sag paste grout.

TYPICAL APPLICATIONS

EPODUR 1042 EPOXY JOINT FILLER is a high performance epoxy tile adhesive with exceptional chemical resistance for grouting tiles in heavy duty environments. It is used for operation grouting of tiles on horizontal & vertical surfaces. It is used wherever excellent mechanical properties, high chemical resistance combined with a high standard of finish is required such as in swimming pools, food processing plants, hospitals, kitchens, slaughter houses, soft drink factories and steam cleaned areas.

ADVANTAGES

- Excellent waterproofing, unaffected by water when cured.
- Resistant to frost and weathering, suitable for indoor and outdoor use.
- Recommended for vertical and horizontal applications with good adhesion properties.
- Factory quality controlled pre-weighed quantities reduces site errors.
- Highly resistant to a wide range of industrial chemicals.
- Fast application possible and is easily cleaned off with water during initial set.
- Full cured product is resistant to Bacterial & Fungal growth.
- Easy to apply - fast application possible.
- Long work life- gives long adjustability time.
- High bond strength to steel, concrete and tiles
- Suitable for use in Middle East conditions
- Attractive colours are available on request for sufficient quantity.

STANDARD

BS EN 12004-RG

PRODUCT DATA

Form	Epoxy resin and quartz aggregate Component
Colour	Stander color : Gray Also available Different color
Packing	5 kg (A+B+C)
Consumption	Depending on the surface For area of joints with 3 mm width and 8 mm depth if filled by: 0.650 Kg/m ² (for 15x15 cm tiles) 0.350 Kg/m ² (for 30x30cm ceramic)
Shelf life	12months, indoor storing non-open packaging under controlled condition

TECHNICAL SPECIFICATION

Test Name	Standard	Average Result
Density	DIN 18555 PART-2	2.0 ± 0.10 Kg/Ltr
Bond Strength	ASTM C 882	19.5 MPa
Coefficient of linear Thermal Expansion	ASTM C 531	8.136 x10 ⁻⁵
Compressive Strength 7 days	ASTM C 579	81.4 N/mm ²
Tensile Strength 7 days	ASTM C 307	15.29 MPa
Flexural Strength 7days	ASTM C 580	114.89 MPa
Water Absorption	ASTM C 413	0.0%
Working Time	DIN 18555 PART-8	< 85 min
Resistance to chemical Distilled water (cold) Distilled water (hot) Ethyl alcohol (50%Vol) Vinegar (3% Acetic Acid) Alkali Solution Acid Solution Soap Solution Detergent Solution Acetone Oil Ketchup Coffee Tea Salt	ASTM D 1308	Resistant

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APPLICATION PROCEDURE

SURFACE PREPARATION

Ensure that substrates to be tiled are structurally sound free from grease and oil and do not have excessive laitance. Surface should be dry, clean and dust free. Moisture content of the surface should not be higher than 5% and any necessary repair work should be carried out prior tiling. Good surface preparation is necessary to ensure maximum in-service properties and long term performance

MIXING

Mix by adding all the Part B to the Part A pack stir for 1 minute, and then add Part C component and then stirring thoroughly for 2 - 3 minutes until a smooth, well mixed colour and consistency is obtained. Mixing by use of a slow speed drill and mixing paddle is preferred. Not recommended part mixing.

APPLICATIONS

The mixed grout should then be applied rubber trowel, sweeping the grouting paste into the joints. Alternatively use the hand operated gun to fill in the joints. Ensure that all the joints are completely filled. After about 30 minutes or prior to the expiry of pot life of the grout, clean the excess grout with a cellulose sponge and clean warm water to provide neat finish surfaces.

CLEANING

After grouting any surplus material should be removed before its sets by use of damp cloth or squeegee. Good workmanship to ensure removal of surplus material before it sets is essential throughout the works.

EQUIPMENT CARE

Tools and equipment may be cleaned immediately after use with water. If necessary, **EPO SOLVENT** can be used.

PRECAUTIONS

SPILLAGE

Spillage should be absorbed with sand or earth etc., and disposed in accordance with local regulations. Clean tools and equipment with water/solvents immediately after use.

HEALTH AND SAFETY

EPODUR 1042 EPOXY JOINT FILLER should not come in contact with skin and eyes or be swallowed. Avoid prolonged inhalation of vapours. Some people are sensitive to epoxy resins, therefore, protective gloves, goggles and barrier creams should be used. Ensure adequate ventilation and if working in enclosed areas, suitable breathing apparatus must be used. Fully cured resins are inert and hence harmless.

If mixed resin comes in contact with skin, it must be removed before it gets dry by washing with soap and plenty of clean water. If swallowed, seek medical attention immediately. Do not induce vomiting.



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