

weberfill epoxy grout

Chemical Resistant Epoxide Resin-Based Coloured Grout



weberfill epoxy grout is coloured, 2 component (Liquid & Filler), epoxide resin-based, grout. Tested and conform to requirements of BS 5980 : 1980 (for resistance to mould growth). Manufactured to stringent Internal Quality Assurance System, conforming to ISO 9001 2008.



CORROSION RESISTANT



WATER ABSORPTION



ABRASION RESISTANCE

PRODUCT BENEFITS

USAGE

weberfill epoxy grout is suitable for grouting or pointing joints between Ceramic Wall & Floor Tiles, Vitrified Homogeneous Tiles, Porcelain Tiles, Mosaics, Quarry Tiles, Terracotta, Marbles, Granites, Slates, Terrazzo, Brick Veneer, Decorative Stones etc. Suitable for use at wall & floor, dry or wet, interior or exterior areas including swimming pools.

TECHNICAL DATA & PHYSICAL PROPERTIES

Colour	Refer Colour Chart
Density	1.40 g/cm ³
Dry Solid Content	100%
Shelf Life	12 months
Inflammability	No
Toxicity Hazard	No
Joint Width	2 - 5 mm
Mix Proportion	1 pbw Liquid to 4 pbw Filler; As per ratio supplied
Setting Time	24 - 48 hours
Working Time (Pot Life)	45 minutes at 30°C
Application Temperature	Above 5°C - 40°C
Temperature Resistance	100°C
Frost Resistance	- 15°C
Resistance to acids	Good
Resistance to alkalis	Good
Resistance to oil & solvents	Fair
Damp Resistance	Good
Flexibility	Fair
Water Absorption Rate	< 0.1 g (after 240 minutes)
EN ISO 13007 - 4 Clause 4.2	
Shrinkage Value	< 1.5 mm/m
EN ISO 13007 - 4 Clause 4.3	
Hardness	50 Shore D
ASTM D2240	
Elongation	Approx. 1%
ASTM D638	
Shear Strength	Approx. 2.00 N/mm ²
ASTM D1002	
Tensile Strength	Approx. 3.00 N/mm ²
ASTM D368	



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GENERAL PERFORMANCE

The set grout is durable, abrasion resistant, chemical resistant and water impervious. It affords protection against contact with corrosive chemicals (See Chart). Being water impervious it minimizes growth of fungus, algae, mould and bacteria on grout surface & enable tile joints to be easily maintained in sterile conditions. fill epoxy grout is suitable for grouting or pointing joints between 3 - 10 mm wide.

Recommended for use in commercial, industrial and domestic location, where chemical resistance & maintenance of hygiene and bacteriological sterility are important eg. hospitals, food factories, abattoirs, breweries, creameries, chemical plant, food preparation areas (kitchen), laboratories, battery filling room, spa pool, thermal pool, worktops etc. recommended for installation subjected to steam cleaning.

Not recommended for use with soft glazed decorative ceramic wall tiles or those with metal decors or luster. **Weberfill epoxy grout** offers superior working properties in respect of mixing, application and cleaning, compared to traditional epoxide resin-based material which are more labour intensive. Mix both component (Liquid & Filler) together as per ratio supplied. Do not mix with other material

Note

- Colour variation or cracking may occur with Coloured Grout due to reasons beyond manufacturers control ie. excessive water in cleaning, finishing techniques, site condition, mode of mixing & application, efflorescence etc.
- Avoid using white or light coloured epoxide resin-based grout as it will undergo "yellowing"; which is a common phenomenon with resin-based material.

PROCEDURE & APPLICATION



Substrate Preparation

During tiling, allocate minimum joints of 2 mm wide for wall tiling & 3 mm wide for floor tiling. Allow adhesive bed to set 24 hours before grouting commences. Ensure that joints are dry, clean or free of contaminants.



Mixing

Stir LIQUID well before use to disperse Colour Pigments. Mix FILLER into LIQUID as per the recommended mix ratio or as supplied. Mechanical mixing is recommended to obtain a uniform coloured paste.



Application

Apply grout into joints using a grout float / rubber squeegee / steel spatula, ensuring joints are fully compacted with grouting mortar. To minimize wastage & cleaning, work grout along and into joints. Avoid spreading throughout tile surface. Apply to small areas at a time; and clean excess or residue grout promptly using a damp cloth or sponge, before it hardens.



Allow grout to set of 24 - 48 hours.

Note

- Colour pigments in coloured grout & the grout itself may stain or discolour certain tiles or natural stone slabs; therefore a trial should be conducted to determine the ease of cleaning, compatibility and the suitability especially on soft glazed surface tiles, before actual application commences.
- Coloured pigmented products may discolour under external weather conditions in time; which is a natural phenomenon.
- Certain colour may not be stable when expose to external conditions, please contact our Technical Advisory Department when making colour selection

COVERAGE

Tile Size	Joint Width Approx.	Coverage
50 x 50 x 5.0 mm	3 mm	0.84 kg / m ²
108 x 108 x 8.0 mm	3 mm	0.62 kg / m ²
108 x 108 x 8.0 mm	6 mm	1.24 kg / m ²
150 x 150 x 8.0 mm	3 mm	0.45 kg / m ²
150 x 150 x 8.0 mm	6 mm	0.90 kg / m ²
200 x 200 x 8.0 mm	3 mm	0.34 kg / m ²
200 x 200 x 8.0 mm	6 mm	0.67 kg / m ²
300 x 300 x 8.0 mm	3 mm	0.22 kg / m ²
300 x 300 x 8.0 mm	6 mm	0.45 kg / m ²

PACKING

Available in 1 kg & 5 kg bags.

SHELF LIFE / STORAGE

At least 12 months; when stored in dry conditions of normal ambient temperature. Re-stir before use.

TECHNICAL SERVICES

For further details or recommendation please contact our Technical Advisory / Specification Center at 603-6038 9498 (KL) & 604-626 2830 (Penang)

PRECAUTION

Keep out of children reach. Avoid inhaling vapors. If material enters eyes, wash out immediately with clean water. May cause minor skin irritation; therefore use suitable gloves. Always wash hand & exposed body parts thoroughly after each use.

Conditions Of Sales

Sold subject to Company's Condition of Sale, which is available upon request.

*Note Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only. Saint-Gobain Weber (M) Sdn Bhd reserves the rights to amend the contents of the data sheet at its sole discretion. (Aug '24)



weberfill epoxy grout is resistant to the following chemicals

Prolonged Contact

Acetic Acid (3%)	Household Ammonia
Aluminium Bromide	Hydrochloric Acids (10%)
Aluminium Fluoride	Kerosene
Ammonium Bromide (5%)	Lactic Acid (3%)
Baking Soda	Nitrates
Barium Hydroxide	Nitric Acid (10%)
Beer Petroleum Products	
Boric Acid	Phenol (5%)
Calcium Chloride	Phosphoric Acid (10%)
Calcium Hydroxide Potassium Hydroxide	
Carbonates	Silicates
Carbonic Acid	Sodium Carbonate
Chlorides Sodium Hydroxide	
Citric Acid	Sulphates
Dilute Detergent	Sulphuric Acid (10%)
Fats	Soda Solution (20%)
Ferric Acid	Vegetable Oils
Fluorides (Excl. Hydrofluoric Acid)	

Splash Contact Only

Acetic Acid (10%)	Carbon Disulphide
Acetyl Bromide	Ethanol
Benzene	Ethyl Alcohol
Butanol	Hydrochloric Acid (37%)
Butyl Acetate	Sulphuric Acid (45%)
Carbon Tetrachloride	Battery Acid

For higher concentrations, or chemicals not listed above please consult the Technical Advisory / Specification Service Department.

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