

### DESCRIPTION :

**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.

### 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.

### 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. **weberfill 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.

### APPLICATION PROCEDURE :

- 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.
- 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.
- 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.

### TECHNICAL DATA

Colour	: Refer Colour Chart
Density	: 1.40 g/cm <sup>3</sup>
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 <sup>2</sup>
ASTM D1002	
Tensile Strength	: Approx. 3.00 N/mm <sup>2</sup>
ASTM D368	



**COVERAGE :**

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

**PACKING :**

Available in 1 kg and 5 kg sets.

**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 recommendations 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 :**

All instruction and information are provided by us for the general guidance only and are believed to be accurate and complete. Users must exercise special care and caution depending on the conditions and particular purpose of usage and are responsible to ensure that they have consulted our latest literature. To the maximum extent allowed by law, Saint-Gobain Weber (M) Sdn Bhd, its representatives, agents or distributors shall be under no liability for any loss of profits and other economic or physical losses.

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.

**Marketing Offices :****SAINT-GOBAIN WEBER (M) SDN BHD (169772-A)****SELANGOR :**

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**Member OF :**

- FMM, Malaysia
- MCIG, Malaysia
- MBAM, Malaysia
- MGBC (Malaysia Green Building Confederation)
- SGBC (Singapore Green Building Council)
- SIRIM Working Group - MS 1294 & MS 1295

OHSMS CERTIFIED TO ISO 45001 (CERT NO: MY16 / 02151)  
EMS CERTIFIED TO ISO 14001 (CERT NO: MY13 / 04546)  
QMS CERTIFIED TO ISO 9001 (CERT NO: CI / 3693)