

DESCRIPTION :

weberfill crystal grout is cement-based grout with variance of colour, which is a blend of cement, fine mineral powder, special polymers, chemical additives and pigments. It provides hydrophobic or water repellent properties, good abrasion resistance as well as fungus, algae & mould growth resistant properties.

Conform to the requirements of BS 5385 : Part 1 – 4. Tested and conform to the requirements of ISO / DIS 13007 – 4 for Linear Shrinkage & Water Absorption and ASTM G 21 – 90 and Agar Diffusion for resistance to mould growth for:

- Aspergillus Niger (black mould)
- Penicillium Pinophilum
- Chaetomium Globosum
- Gliocladium Virens
- Aureobasidium Pullulans



Fungus Resistant

USAGE :

weberfill crystal 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 or floor, dry or wet, interior or exterior areas.

GENERAL PERFORMANCE :

weberfill crystal grout is suitable for grouting or pointing joints between 2 – 6 mm wide. Requires mixing with Clean Water only; therefore eliminate use of expensive Latex Admixture and allows for easier on-site mixing. More economical & user friendly compared to conventional grouting mortar. It provides the following properties :

- **CLEAN** : Hydrophobic properties resulting in water repellent and water droplet effect; reducing staining therefore cleaner grout and allows for easier maintenance.
- **HYGIENIC** : Contains non-harmful special chemicals to provide resistance against growth of fungus, algae and mould on grout surface; therefore more hygienic.
- **LOW SHRINKAGE** : Contains special polymers for low shrinkage properties; therefore minimize or eliminate cracking problem.
- **DURABLE** : Contains special polymer to enhance compressibility, durability & abrasion resistant properties. More resistance to cleaning processes and selected domestic cleaning agents.
- **EASY TO APPLY** : Can be mixed with water to thicker (creamy) or softer (fluid) paste; therefore suitable for filling wide and narrow joints.
- **BEAUTIFUL** : High quality pigments & chemical additives to provide grout with intense colour, greater colour consistency & longer lasting colour compared to traditional coloured grout.
- **SMOOTH FINISH** : Designed to provide a smooth or flat surface, eliminate cavities & pinholes.

Note :

Colour variation or cracking may occur with Coloured Grout due to reasons beyond manufacturers control ie. excessive water in mixing and cleaning, condition of mixing water, finishing techniques, site condition, mode of mixing & application, tile porosity variation, efflorescence etc.

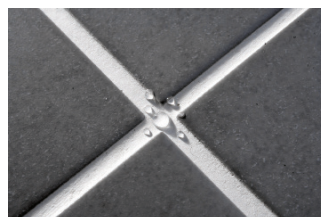
TYPICAL USE :

weberfill crystal grout + water :

- Internal dry & intermittent wet areas.
- External wall & floor areas.
- Wet duty areas eg. communal & domestic showers, toilets washroom, wet kitchen ablution etc.
- Heavy traffic floor areas.

TECHNICAL DATA

Colour	: Refer Colour Chart
Density	: 1.80 kg/ltr
pH of mix	: Approx. 12
Dry Solid Content	: 100%
Shelf Life	: 1 kg – 12 months
	: 20 kg – 6 months
Inflammability	: No
Toxicity Hazard	: No
Joint Width	: 2 – 6 mm wide
Mix Proportion	: Creamy Mix – 1 part water to 3 part grout
	: Fluid Mix – 1 part water to 2.6 part grout
Initial Set	: 4 – 6 hours
Final Set	: 18 – 24 hours
Working Time (Pot Life)	: 1.5 hours (Room Temperature)
Application Temperature	: Above 5°C and at normal ambient temperature
Temperature Resistance	: 100°C
Frost Resistance	: - 15°C
Resistance to acids	: Fair
Resistance to alkalis	: Good
Resistance to oil & solvents	: Fair
Damp Resistance	: Good
Flexibility	: Fair
Water Absorption	: after 30 min: ≤ 0.20 g
ISO / DIS 13007 – 4 Clause 4.2	: after 240 min : ≤ 0.60 g
Shrinkage Value	: Approx. 2 mm/m
ISO / DIS 13007 – 4 Clause 4.2	
Flexural Strength	: 7 – 8 N/mm ²
EN ISO 13007 – 4 Clause 4.1	
Compressive Strength	: 22 – 23 N/mm ²
EN ISO 13007 – 4 Clause 4.1	
Tensile Bonding Strength	: 0.70 – 0.80 N/mm ²
EN ISO 13007 – 2 Clause 4.4	



Water Droplet Effect



Reduces Staining - Easy To Maintain



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.
- Mix **weberfill crystal grout** with clean water as per the recommended mix ratio.
- Mechanical mixing is recommended to obtain a uniform coloured mortar. Ensure pigments are thoroughly dispersed during mixing.
- Apply grout into joints using a grout float / rubber squeegee, ensuring joints are fully compacted with grouting mortar to prevent cracking.
- Apply to small areas at time; and clean excess or residue grout promptly using a damp cloth or sponge; before it dries out.
- When grout is sufficiently firm, polish tile surface with a clean dry cloth to remove grout film / haze
- Allow grout to set for 24 – 48 hours before subjecting to normal service condition.
- Do not use in damp conditions or at temperatures below 5°C.

Note :

- Colour pigments in coloured grout 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.
- Certain colour may not be stable when exposed 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	1.00 kg / m ²
108 x 108 x 8.0 mm	3 mm	0.75 kg / m ²
108 x 108 x 8.0 mm	6 mm	1.50 kg / m ²
150 x 150 x 8.0 mm	3 mm	0.54 kg / m ²
150 x 150 x 8.0 mm	6 mm	1.10 kg / m ²
200 x 200 x 8.0 mm	3 mm	0.41 kg / m ²
200 x 200 x 8.0 mm	6 mm	0.82 kg / m ²
300 x 300 x 8.0 mm	3 mm	0.27 kg / m ²
300 x 300 x 8.0 mm	6 mm	0.54 kg / m ²
300 x 600 x 9.0 mm	3 mm	0.23 kg / m ²
300 x 600 x 9.0 mm	6 mm	0.46 kg / m ²
600 x 600 x 9.0 mm	3 mm	0.15 kg / m ²
600 x 600 x 9.0 mm	6 mm	0.30 kg / m ²

PACKING :

Available in 1 kg & 20 kg bags.

SHELF LIFE / STORAGE :

At least 12 months for 1 kg packing and 6 months for 20 kg packing; when stored in normal ambient temperature.

TECHNICAL SERVICES :

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

PRECAUTION :

Avoid inhaling dust. If material enters eyes, wash out immediately with Clean Water. May cause minor skin irritation; therefore use suitable gloves. Keep out of children's reach.

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.

Marketing Offices :

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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)