

# weberfill crystal grout

Anti-Fungus And Stain Reducing Coloured Grout



**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.

**PRODUCT BENEFITS**



EASY TO APPLY



VARIOUS COLOURS



MOLD RESISTANT



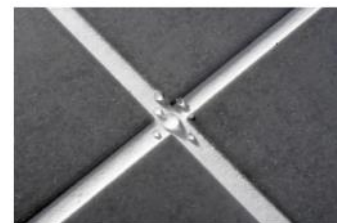
EXCELLENT DURABILITY

**USAGE**

**weberfill crystal grout** is suitable for use on walls or floors, whether they are dry or wet, and can be applied in interior or exterior areas, including swimming pools. It can be used on ceramic walls and floor tiles, vitrified homogeneous tiles, porcelain tiles, mosaics, quarry tiles, terracotta, marbles, granites, slates, terrazzo, brick, veneer, and decorative stones, etc.

**TECHNICAL DATA & PHYSICAL PROPERTIES**

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



Water Droplet Effect



Reduces Staining - Easy To Maintain

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### 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.

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## 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

## 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

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.



### Application

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.

\*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)



SAINT-GOBAIN WEBER (M) SDN BHD

No 29 & 31, Jalan TIAJ 2/1, Taman Industri Alam Jaya, 42300 Bandar Puncak Alam, Selangor D E, Malaysia

(603) 60389498/97/89 (603) 6038 9507 info.webermalaysia@saint-gobain.com www.saint-gobain.my

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## COVERAGE

Tile Size	Joint Width Approx.	Coverage
50 x 50 x 5.0 mm	3 mm	1.00 kg / m <sup>2</sup>
108 x 108 x 8.0 mm	3 mm	0.75 kg / m <sup>2</sup>
108 x 108 x 8.0 mm	6 mm	1.50 kg / m <sup>2</sup>
150 x 150 x 8.0 mm	3 mm	0.54 kg / m <sup>2</sup>
150 x 150 x 8.0 mm	6 mm	1.10 kg / m <sup>2</sup>
200 x 200 x 8.0 mm	3 mm	0.41 kg / m <sup>2</sup>
200 x 200 x 8.0 mm	6 mm	0.82 kg / m <sup>2</sup>
300 x 300 x 8.0 mm	3 mm	0.27 kg / m <sup>2</sup>
300 x 300 x 8.0 mm	6 mm	0.54 kg / m <sup>2</sup>
300 x 600 x 9.0 mm	3 mm	0.23 kg / m <sup>2</sup>
300 x 600 x 9.0 mm	6 mm	0.46 kg / m <sup>2</sup>
600 x 600 x 9.0 mm	3 mm	0.15 kg / m <sup>2</sup>
600 x 600 x 9.0 mm	6 mm	0.30 kg / m <sup>2</sup>

## 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 enter eyes, wash out immediately with Clean Water. May cause minor skin irritation; therefore use suitable gloves. Keep out of children reach

### Conditions Of Sales:

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

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