

Tile Grout Datasheet

November 2017

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A cement-based, waterproof tile grout for grouting between ceramic tiles after the adhesive has set. Plastic, cohesive and easy to apply. Hard in 24 hours. Supplied in powder form for mixing with water.

Technical Data

Type	High strength tile grout
Colour	See website: www.cemcrete.co.za
Batch mixes	Mix enough material to last for 45 minutes
Working time	± 60 minutes depending on relative humidity
Initial set	90 minutes
Final set	± 24 hours
Grouting time	± 24 hours after bedding of tiles
Mixing water temperature	8°C to 30°C
Application temperature (ambient)	8°C to 30°C
Substrate temperature	8°C to 30°C
Aging resistance to damp	Good
Joint width	2mm to 8mm
Density	1.25kg/litre
Protection during application	Sun and wind barriers

Purpose

To provide an attractive coloured, waterproof grout between ceramic tiles.

Benefits

- Consistent quality
- Suitable for areas that will be dry or intermittently wet
- Suitable for joint widths up to 8mm
- Can be used in conjunction with under-tile heating
- Limited flexibility to accommodate some movement
- Available in a range of colours
- Can be used in conjunction with CreteBond to improve chemical resistance and impermeability

Limitations

- Warm weather conditions may shorten the working time of the grout.
- Extremely cold temperatures may adversely affect the setting times of the grout.
- Never add more liquid to an adhesive which has been left standing for too long, as this will negatively affect the adhesive properties and strength of the grout.

Applications

- Interior and exterior floors and walls
- Existing tiled surfaces
- Suspended floor surfaces
- Industrial processing areas
- Balconies
- Showers and wet areas
- Railway stations

Cemcrete provides a comprehensive technical service based on over 3 decades of experience in the field of surface applications and cement technology. Cemcrete believes, to the best of its knowledge, that the information contained herein is true and accurate at the date of issuance and is subject to change without prior notice. For further clarification of these instructions, contact Cemcrete.

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Site work

Storage

Unopened bags can be stored on slats in a dry cool shed away from direct sunlight for 4 months after date of invoice.

Surface preparation

The tiled surface should be bedded for at least 24 hours. It must be clean and the joints free of tile adhesive. Rake out the joints if necessary.

Mixing

Stir 3.5 volumes grout powder into 1 volume clean water. Mix to a slurry and allow to thicken for 5 minutes. Re-mix without adding water and use within one hour.

Application

Apply grout paste to tiled surfaces working it well into the joints using a rubber tilers squeegee or a sponge-faced wood float. Allow grout to dry and harden for one to two hours and wipe surface of tiles with a damp sponge. Finish off by wiping along joint with a damp cloth. Polish tiles the following day using a dry cloth.

Coverage

Use the following formulation: to calculate the quantity of Cemcrete **Tile Grout** required per m² of tiling:

$$\text{kg/m}^2 = \frac{(A + B) \times C \times D \times 1.25}{(A \times B)}$$

A = length of tile

B = width of tile

C = thickness of tile

D = average joint width

NB! A 10% wastage factor should be factored in when determining the final quantities.

Packaging

Available in 1 kg, 5kg and 20kg paper bags.

Safety

Gloves, dust masks and suitable eye protection is a pre requisite to the mixing and application of Cemcrete **Tile Grout**.

- Skin contact: Wash thoroughly with soap and water.
- Eye contact: Flush immediately with water for 10 to 15 minutes and contact a physician.
- Respiratory problems: Remove affected person to fresh air immediately and contact a physician.
- Not for internal consumption.

Manufacturer's Warranty

Cemcrete warrants that the products manufactured by it shall be free from material defects and will be consistent with its normal high quality. Should any of the products be proven defective, the liability to Cemcrete shall be limited to replacement of the product ex-factory. Cemcrete makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties expressed or implied. The user shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith.

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