



Technical Data Sheet Designer Grout

DESCRIPTION

Excellent commercial grade tile grout. Very easy clean-up and superb working properties means less mess, less waste and a better finish. Suitable for walls and floors for exterior and interior tiling. Available in a range of designer colours

CLASSIFICATION / STANDARDS

AS ISO 13007 CLASSIFICATION

CG2WA – Improved cementitious grout with high abrasion resistance and reduced water absorption

FEATURES

- ✓ Very easy clean-up
- ✓ Interior & Exterior
- ✓ Easy to compact and fill joints
- ✓ Finish in any direction
- ✓ Mould resistant
- ✓ Narrow (1.5mm) to wide (15mm) joints

BEST FOR

- ✓ Walls and floors
- ✓ Internal and external applications
- ✓ Swimming pools (Use with 50% Megalastic) diluted 1:1 with water
- ✓ All tiling installations



SUITABLE TILES

All moisture stable tiles

SURFACE PREPARATION

Check the adhesive has set sufficiently. Remove joint spacers and rake out excess tile adhesive from joints. Ensure the joint is clean and free of dirt and dust. Joints may be damp but must not be wet to touch.

TIP: It helps to lightly dampen the joints before grouting, especially when conditions are hot or dry or if the tiles are porous. This helps ensure the grout does not dry out prematurely. Always check that all free water is either absorbed or removed before grouting.

MIXING

**20kg powder mixes into 4.8 – 5.6L liquid
(1kg into 240 - 280mL liquid)**

1. Add clean, potable water into a clean mixing container
2. Add powder with continuous mixing
3. Mix to a low sag, smooth and creamy paste
4. Let stand for 2 minutes then briefly remix before using.

When improved water resistance or flexibility is needed, replace the mixing water with Megalastic diluted 1:1 with water. This would be needed when tiling is immersed or over flexible substrates (such as fibre cement or timber).

Always add powder to water. When mixing more than 2kg use a drill with suitable mixing paddle designed for the task.



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APPLICATION

1. Apply the mixed grout with a rubber float or squeegee. Work well into the joints. *
2. Allow the grout to become firm in the joint.**
3. Wash off excess grout from the face of the tiles with a damp (not wet) sponge.***
4. When the grout has set, remove grout haze on the tile surface with a soft cloth.

APPLICATION TIPS:

- a. *Designer grout can be installed perpendicular to the joint making it possible to “cut” most of the grout off the tile face by using the edge of the squeegee.
- b. **Grout is ready to wash off only when the grout in the mixing bucket is stiff. This grout is designed to be easy to remove from the tile face so don't be tempted to wash too early.
- c. ***Take care to use the minimum amount of water to avoid washing out or weakening the grout.
- d. ***Clean up can be made easier if a small amount of methylated spirits is added to the wash up water. Rinse often and replace the wash water often.

Contact Bostik for advice if in doubt about installation or wash up methods.

All workmanship must be carried out in accordance with AS3958 and good workmanship practices

COVERAGE

1kg of grout will cover approximately 2.5m² at 1.5mm joints. Refer to coverage chart for more details. Grout coverage will vary depending on installation conditions and technique. Always allow 10 – 15% extra to account for wastage.

CLEAN UP (tools and equipment)

Clean tools and equipment with water while the grout is still soft. For clean-up of tiles as part of grout application see points 2 & 3 in “Application” (above).

STORAGE & SHELF LIFE

Unopened bags can be stored for up to 12 months in a cool, dry and weatherproof environment. Bags must be stored off the floor

PACKAGING

20kg paper bags 4 kg and 2kg plastic bags. Plastic bags are shipped in 16kg cartons (4x4kg and 8x 2kg respectively)

| PHYSICAL PROPERTIES | |
|---------------------|--------------------------------------|
| Appearance: | Cementitious powder. Various colours |
| Mixed SG: | 1.90 g/cm ³ |
| Mixing ratio: | 20kg into 4.8 – 5.6 L liquid |
| Pot life: | 2.0 hours |
| Set time | 24 hrs |

All times 22°C and 50% RH. Times will be influenced by on-site conditions.

| MECHANICAL PROPERTIES | |
|---|-----------------------|
| Compressive Strength | >20 N/mm ² |
| Flexural strength: | >5 N/mm ² |
| Compressive strength after freeze/thaw: | >20 N/mm ² |
| Flexural strength after freeze/thaw: | >5 N/mm ² |
| Shrinkage: | <1 mm/m |
| Suitable Joint Widths | 1.5 – 15mm |
| Water absorption (30 min): | 1 g |
| Water absorption 240 (min): | >2 g |
| Abrasion Resistance (50 cycles) | >120mm ³ |
| Classification (AS4992.3) | CG2WA |



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IMPORTANT NOTES

- All work must be carried out in accordance with AS3958 and good workmanship practices
- Always refer to the Product Technical Datasheet and Material Safety Datasheet (MSDS) before use.
- Only suitable to be used for grout joints up to 15mm.
- Although not expected to scratch polished tiles when installed correctly –always test a small inconspicuous area before grouting to check compatibility.
- This product is not suitable for use as an expansion joint and so will not replace the need for specialised movement joint materials.
- Does not replace epoxy grout and is not suitable for use in commercial kitchens or where high chemical resistance is needed.
- Always install expansion and isolation joints appropriate for the job. Ensure joints in the substrate are suitably carried through the entire tiling system.
- Do not grout directly against building elements that will expand and contract at different rates (eg wall/floor junctions)
- Use the minimum quantity of water during installation and clean-up. Too much water can wash out or weaken the grout and may promote efflorescence.
- Never retemper mixed grout with additional water after initial mixing. If grout stiffens in the bucket remix only. Discard and replace with a fresh batch if paste remains stiff after remixing
- When grouting porous faced tiles take care to ensure the grout does not absorb into the face of the tile.
- Premature drying of the grout can result in a weak or discoloured joint. To avoid this, dampen joints when grouting porous tiles or in warm and/or dry conditions. Ensure all areas are damp but not wet (ie check all water is absorbed or removed).
- Contact Bostik for advice before work starts if there is any doubt regarding preparation, use or product suitability.

All workmanship (including movement joints) must be carried out in accordance with AS3958-2007

SAFETY PRECAUTIONS

**SEE THE MATERIAL SAFETY DATA SHEET FOR ADDITIONAL INFORMATION.
TECHNICAL SERVICES TOLL FREE NUMBER: 0508 222 272 (Land lines only)**

MSDS can be downloaded from www.bostik.co.nz

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