

# TECHNICAL DATA SHEET

# WALL & FLOOR GROUT



Revision Date  
SEPTEMBER 2019

## Cement-based Grout for Wall and Floor Applications

### Description :

**TAL Wall & Floor Grout** is suitable for filling wall and floor tile joints between 2 - 8mm wide. Available in a variety of colours, it offers resistance to moisture ingress.

**Note :** This product is designed for the above-mentioned application only. TAL will not be liable for misuse or adulteration of the product.

### Classification According to SANS 52004:2013 / EN12004:2007

**TAL Wall & Floor Grout** is classified as a CG1 grout (normal cementitious (CG1) grout). When mixed with **TAL Bond** as a total water replacement, or when **TAL Bond Powder** is incorporated in the mix, **TAL Wall & Floor Grout** is classified as a CG2W grout (improved cementitious (CG2), reduced water absorption (W), grout).

### VOC Content :

Specification : Green Building Council of South Africa  
Office Design V1 IEQ-13  
Green Star Office Interiors V1.1 IEQ-11

Architectural Sealant : Maximum Limit 250 grams per Litre as VOC content material	<b>TAL Wall &amp; Floor Grout :</b> 1.12g / l as VOC content material
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### Technical Data

Type	Cement-based tile grout
Setting Type	Standard setting
Colour	Various
Application Temp Range (Ambient)	10°C - 30°C
Pot Life* (Working time after mixing)	60 minutes (30 minutes when mixed with TAL Bond/TAL Bond Powder)
Open Time*	15 minutes
Correction Time*	15 – 20 minutes
Initial Set*	6 – 8 hours
Final Set*	24 hours
Packaging	20kg; 5kg; 2kg
Mix Ratio	<u>Water :</u> 20kg – 6L / 5kg – 1.5L / 2kg – 600ml <u>TAL Bond :</u> 20kg – 6L / 5kg – 1.5L / 2kg – 600ml <u>TAL Bond Powder</u> 20kg – 1kg / 5kg – 500g (½ Sachet) / 2kg – 250g (¼ Sachet)

When Mixed with :	Water	Bond / Bond Powder
Flexibility	Poor	Good
Temp Resistance	0°C - 60°C	-30°C - 100°C
Ageing	Good	Excellent
Resistance to Damp	Poor	Good

\*At 23°C and 50% relative humidity.

The above data was obtained under laboratory conditions using freshly manufactured material. Actual results in the field will vary as a result of factors such as Ambient Temperatures, Site Conditions, etc.

### Preparation

**Never butt joint tiles.** Do not grout with neat cement. Grouting must not commence until the adhesive beneath the tiles has set sufficiently. (Refer to the adhesive instructions for curing times.) Unglazed tiles should be sealed with a suitable sealer before grouting to prevent staining. The tiles must be clean, dry and free from dust, and the joints must be raked out and cleaned before grouting.

**NB :** Ensure clean equipment and tools are used for mixing and application to prevent contamination and discolouration of grout.

### Mixing

Mix Ratios :

20kg – 6 litres  
5kg – 1½ litres  
2kg – 600 millilitres

Add the bag of **TAL Wall & Floor Grout** to the stipulated amount of clean, cool water whilst mixing, and mix well to a creamy, lump-free consistency. Let the mix stand for a few minutes before stirring again. A mechanical mixer is essential for good mixing and uniform dispersion of product.

For optimal performance use a full bag in one mix and ensure that the water temperature is between 20°C - 25°C. Use within 1 hour (pot life).

For all exterior/exposed and “wet” applications, high traffic areas, areas subjected to thermal stresses or temperature changes, or where some flexibility is required, replace the water in the mix with **TAL Bond**.

**Alternatively, TAL Bond Powder** may be added to the grout mixing water, at a ratio of 1 x 1kg sachet per 20kg **TAL Wall & Floor Grout**, 500g (half a sachet) per 5kg and 250g (quarter sachet) per 2kg.

### Important Notice:

TAL believes the information on this sheet to be correct – but does not guarantee its accuracy or completeness. Conduct your own tests of this product to determine its suitability for intended use. User assumes all risks and liability during testing and use of this product. In special cases, obtain professional advice. The only obligation of TAL shall be to replace any of this product proved to be defective in material. TAL shall not be liable for any injury, loss or damage, direct or consequential, relating to the use or inability to use this product. Except as expressly provided above, all products sold and samples furnished without any warranty of merchantability or any other warranty, express or implied. TAL reserves the right to change the information on this datasheet. Please contact the TAL Technical Advice Centre on [taltech@tal.co.za](mailto:taltech@tal.co.za), or 0860 000 825 to ensure you have the latest version.

(Note that the colour may become slightly darker with the addition of **TAL Bond** or **TAL Bond Powder**.)

#### Note :

- Never add more liquid to a mix which has been left standing for too long, as this will compromise the integrity of the grout.
- Warm weather conditions and/or water temperatures (generally, temperatures above 30°C) may shorten the working time of the mixture.
- Low ambient temperatures and/or water temperatures (generally, temperatures below 15°C) will have detrimental effects on the curing and integrity of the grout, ie full cure may not be achieved.

#### Application

Apply the mix to the surface, 1m<sup>2</sup> at a time, and rub the grout well into the joints using a grout squeegee, making sure that the joints are properly filled and the grout is thoroughly compacted into the joints.

Wipe off excess grout and smooth the surface of the grout with the squeegee.

Allow the grout to harden sufficiently (approximately 2 - 6 hours, depending on ambient conditions) to prevent accidental removal from the joints. Using a **damp (not wet)** sponge, clean off any grout remaining on the face of the tiles. Rinse the sponge frequently in clean water.

Allow the grout to dry for 24 hours and polish the tiles with a clean, dry cloth. Clean tools before the grout hardens.

#### Important :

- Exterior installations must be protected against inclement weather and too rapid drying by covering with plastic sheeting until the grout has hardened fully.
- Particular care must be taken to clean the grout off the tile face before it hardens completely. **This is especially important when an additive such as TAL Bond, or TAL Bond Powder, has been used.** Greater care may be required when cleaning tiles with a textured surface.

- Due care must be taken when applying the grout to ensure that the face of soft glazed tiles, highly polished tiles or glass tiles do not get scratched. The use of soft applicators and equipment is essential.
- A sample of the tiles to be used should be tested beforehand to ensure that no grout is absorbed through the glaze, or into the tile body, causing permanent staining of the tiles.
- It is important to use the stipulated amount of liquid in the TAL Grout mixture. When cleaning, a **damp, not wet**, sponge must be used. Over hydration (too much water) of the mix, or in cleaning, causes colour variations in the grout joints, and also affects the integrity of the grout, resulting in a friable product.

#### Drying Times :

Wait at least 24 hours (depending on site and ambient conditions) before subjecting the newly applied grout to wet mopping or other cleaning procedures.

#### Cleaning / Maintenance :

##### During Application :

**Dry powder spillages** – sweep off or vacuum powder spillages, ensuring reduced exposure to moisture which potentially activates **TAL Wall & Floor Grout**.

**Mixed product** - wipe the area with a **DAMP (not wet)** sponge before the adhesive has dried. Dry product should be removed using **TAL Epoxy Cleaning Fluid** or **Epoxy Cleaning Gel**. Clean tools with water before the product dries.

##### After Application :

**Good cleaning regimes should be followed to maintain the grout colour and integrity.**

Only commercial tile and grout cleaning products that are safe to use on coloured cementitious grout should be used.

Strong concentrations of acid-based compounds (ie acid-washing, or 'purging') must be avoided as these may compromise the integrity of the grout.

Bleach and ammonia based products may have a fading effect on the colour of the grout.

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## Coverages

Use the following formula to estimate the grout coverage :

$$\frac{(A + B) \times C \times D \times E}{(A \times B)}$$

A = Tile Length (mm)

B = Tile Width (mm)

C = Tile Thickness (mm)

D = Joint Width (mm)

E = SG of TAL Grout (1.8)

All measurements MUST be in mm, and this will give the grout coverage in kg/m<sup>2</sup>.  
Always add 10% for wastage.

## Packaging

**TAL Wall & Floor Grout** is available in 20kg, 5kg and 2kg bags.

## Storage & Shelf Life

When stored in original sealed packaging in dry internal conditions between 10°C and 30°C and out of direct sunlight the product has a shelf life of 12 months from date of manufacture. **Never store directly on a concrete floor.**

## Warning :

**Do not ingest. Use only as directed. Wear protective gloves and goggles. Use a suitable dust mask when working with cementitious products. Work in a well-ventilated area. Dispose of this product in accordance with Local Regulations. Contact TAL for further Health & Safety information.**

## Product Guarantee :

TAL products are manufactured and tested in accordance with TAL procedures, which are maintained in line with Quality Control System Standard ISO 9001, OSHAS 18001 and Environmental Management System ISO 14001. TAL products are guaranteed to be free from manufacturing defects and fit for design purposes.

This guarantee is subject to the performance of TAL products when used strictly in accordance with their materials and methods specifications for the particular project, and where good workmanship is followed. However, we have no influence over specific site conditions and therefore, if in doubt, the user must always carry

out sufficient tests to satisfy himself/herself that the product is suitable for the intended purpose.

In special cases, obtain professional advice.

TAL shall not be liable for the standard of workmanship on site, or for any defects or damage due to external causes or factors beyond the control of TAL including, without limitation, unsound structures or foundations, building movement (cracking, creep, deflection, vibration, etc), design defects, earth tremor or other seismic disturbances, land slip, fire, flood or other immersion, or any products which have been adulterated, contaminated or misused in any way. The aforementioned list is not exhaustive.

**NOTE :** We require timeous notification, *in writing*, of an alleged defect and the opportunity to assess and investigate the problem to our satisfaction *prior* to any remedial work whatsoever being carried out.

## TAL Technical Advice Centre :

For a detailed Materials and Methods Specification contact the TAL Technical Advice Centre on 0860 000 TAL(825), or e-mail [taltech@tal.co.za](mailto:taltech@tal.co.za).

Branches : Gauteng (011) 206-9700; Cape (021) 386-1810; Natal (031) 579-2263

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