

# TGS WALL & FLOOR GROUT

## Total Grout System

Date: 05 July 2016

Fact Sheet No.: D56051S

### YOUR SMART ADVANTAGES

- **Flexible** – use on wooden floors
- **Superior adhesion** to fully vitrified tiles
- **Low water absorption** for showers
- **Suitable** for under floor heating
- **For grout joints between 1 to 12mm**

### USES

Evo-Stik Technik TGS Grout is a polymer modified cementitious grout for wall and floor tiles on most substrates. It is colour fast and has very good water resistance and is suitable for grout coverings exposed to high mechanical stresses including in wet areas. It can be used for joint widths from 1mm to 12mm and it is also suitable for indoor & outdoor use.

Evo-Stik Technik TGS Grout will dry to a hard, durable, shrink resistant and water-resistant finish, suitable for internal and external locations and is particularly recommended for application in challenging areas such as on tiles applied over timber ply-boards, heated sub-floors and installations where some minor vibration can be expected.

Evo-Stik Technik TGS Grout is available in 7 colours, across a range which includes White, Cream, Ivory, Grey, Beige, Brown & Black all having the same super-smooth applications properties & long term durability even in the most challenging environments

### PRODUCT CHARACTERISTICS

|                    |                                                                                                                                                        |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Colour             | White, Cream, Ivory, Grey, Beige, Brown & Black                                                                                                        |
| Form               | Powder                                                                                                                                                 |
| Specific Gravity   | 1.1 dry, 1.8 when mixed as directed                                                                                                                    |
| Composition        | Portland cement blend                                                                                                                                  |
| Product Code       | 30810432, 30810439, 30814052, 30810441, 30607670, 30810435, 30810443, 30810445, 30810447, 30810449, 30606432                                           |
| Storage/Shelf Life | Store for up to 12 months from date of manufacture in original, unopened packaging under cool, dry, conditions within the temperature range of +5°C to |

+30°C and out of direct sunlight. Protect from frost.

### TYPICAL PERFORMANCE DATA (Approx.)

|                         |                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Temperature | +5°C to +30°C                                                                                                                                                                                                                                                                                                                    |
| Service Temperature     | -15°C to +70°C                                                                                                                                                                                                                                                                                                                   |
| Coverage                | Coverage is dependent on the tile dimensions and joint width. It can be calculated using the formula below:<br><br>$\frac{(L + B) \times W \times D \times 1.8}{(L \times B)} = \text{kg/m}^2$ Length of tile in mm; B – Breadth of tile in mm;<br>W – Width of joint in mm; D – Depth of joint in mm;<br>1.6 – Specific Gravity |
| Drying Times            | Open time is 1 hour and final set after 24 hours                                                                                                                                                                                                                                                                                 |
| Solvent for Cleaning Up | Water                                                                                                                                                                                                                                                                                                                            |

### DIRECTIONS FOR USE

**IMPORTANT:** Before using Evo-Stik Technik TGS Grout refer to the relevant Health & Safety Data Sheet, available at [www.bostik.co.uk](http://www.bostik.co.uk).

### PREPARATION

1. Ensure that tiles are firmly fixed and adhesive is completely set. Bostik adhesives should normally be left for at least 24 hours before grouting.
2. Ensure tiles and joints are clean, dry, sound and free from dust, grease or any contamination.
3. Some tiles have a soft surface which may be scratched during grouting and tiles with a matt or porous texture may be prone to staining. You are advised to test the grout on a spare tile for suitability before proceeding.
4. Variations in raw materials, application techniques, type of tile, substrate and environmental conditions can all limit colour consistency. For these reasons as with all manufacturers we cannot guarantee a consistent colour every time.

### MIXING INSTRUCTIONS

1. Evo-Stik Technik TGS Grout should be added to water in a clean container whilst mechanically stirring and mixing thoroughly to give a smooth, consistent and easily worked mortar.
2. The recommended mixing proportions **by volume** are approximately 1 part water to 3 parts powder (not more than 1.7 litres per 5kg of powder).
3. Do not add more water than is necessary as this may prolong drying, modify colour shade and significantly reduce the compressive strength of the cured grout.
4. Part-used grout should never be “freshened up” with later water additions, but should always be discarded once it appears to lose workability.
5. In ideal conditions (20°C), Evo-Stik Technik TGS Grout will remain workable for up to 1 hour and then reach final set after about 24 hours.
6. Consolidate the joint with a rounded tool and wipe any excess grout away with a damp cloth. As the grout residues dry out, wipe again with a dry cloth to achieve a clean polished finish.
7. Do not apply any cement based coloured grout onto bare, un-sealed tiles without first checking that they will not be permanently stained and always ensure TGS grout residues are promptly and effectively removed as part of the application process.
8. When grouting over a large area using several bags of grout, ensure all mixes are from the same batch and that a consistent and identical water addition is used for each mix.
9. Any of the mix not used within its pot life should be discarded

### APPLICATION

1. Pour the mixed grout onto the floor and work deeply into the joints using a spreader, squeegee or grouting trowel.
2. Work diagonally across the joints using a rubber squeegee to work the grout thoroughly and consistently into the tile joints, removing the excess as work proceeds across the tiled area.
3. Do not use excessive water to wash clean the tiled surface as fine grout residues can be washed off the tile face by wiping the surface with only a lightly damp cloth or sponge up to 2 hours after application, then a final clean & consistent finish can be achieved by using a dry cloth to evenly dry and polish the entire grouted area when the joints have begun to harden up.
4. Evo-Stik Technik TGS Grout will be extremely difficult to remove from tiled surfaces if left to dry.
5. If completing a shower, do NOT use shower for at least 2 weeks (BS 5385: Part 4:2009, clause 7.2.1).

### STORAGE

Evo-Stik Technik TGS Grout is available in 5kg & 10kg bags and should be stored un-opened, clear of ground, in cool dry conditions. Protect from excessive draught and ideally used within 6 months.

### CLEANING

1. Uncured product may be removed using cloths lightly dampened with water after carefully scraping off the bulk of the adhesive paste.
2. Cured product can only be removed by mechanical means.

### PRECAUTIONS IN USE

For any application not covered please contact Technical Services on +353 1 8624998 or visit [www.bostik.ie](http://www.bostik.ie) for advice.

Recommendations and suggestions are for guidance only, since conditions of use are completely beyond our control.

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Health and Safety Data sheet, available at [www.bostik.ie](http://www.bostik.ie).

BOSTIK HOTLINE

Smart help +353 1 8624998



FM 01696  
BS EN ISO 9001:2008

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|                                           |                 |                 |                                                                                |
|-------------------------------------------|-----------------|-----------------|--------------------------------------------------------------------------------|
| Sales                                     | Tel: 01 8624999 | Fax: 01 8402186 | <a href="mailto:orders.bostik-irl@bostik.com">orders.bostik-irl@bostik.com</a> |
| Technical Advice                          | Tel: 01 8624998 | Fax: 01 8402186 |                                                                                |
| Technical Data & COSHH (MSDS) Data Sheets | Tel: 01 8624900 | Fax: 01 8402186 |                                                                                |



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Bostik Industries Ltd. Newtown, Swords, Co. Dublin. Ireland. Tel: +353 1 8624900 [www.bostik.ie](http://www.bostik.ie)

## DECLARATION OF PERFORMANCE

In accordance with Annex III of Regulation (EU) No 305/2011  
(Construction Products Regulation)

|                              |                                                                                                                                                                                    |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description:</b>  | <b>EVO-STIK TECHNIK TGS GROUT</b>                                                                                                                                                  |
| <b>Product Barcode(s):</b>   | 5099414561288, 5099414561387, 5099414561394, 5099414561400, 5099414561257, 5099414561356, 5099414561264, 5099414561363, 5099414400549, 5099414400327, 5099414561271, 5099414561370 |
| <b>Intended Use:</b>         | Improved cementitious grout with additional characteristics of reduced water absorption and high abrasion resistance                                                               |
| <b>Manufacturer:</b>         | Bostik Industries Limited                                                                                                                                                          |
| <b>Contact Address:</b>      | Newtown, Swords, Co. Dublin, Ireland<br>Tel: 00 353 1 8624900 <a href="http://www.bostik.ie">www.bostik.ie</a>                                                                     |
| <b>System of Assessment:</b> | System 3                                                                                                                                                                           |
| <b>Harmonised Standard:</b>  | BS EN 13888:2009                                                                                                                                                                   |
| <b>Notified Body:</b>        | 1289                                                                                                                                                                               |

| Essential Characteristics                                                                                                           | Performance                                        | Harmonised technical specification |
|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------|
| <b>Durability tested as:</b> <ul style="list-style-type: none"> <li>Abrasion resistance</li> </ul>                                  | < 1000 mm <sup>3</sup>                             | EN 12808-2                         |
| <b>Compressive strength:</b> <ul style="list-style-type: none"> <li>After dry storage</li> <li>After freeze thaw cycles</li> </ul>  | >15.0 N/mm <sup>2</sup><br>>15.0 N/mm <sup>2</sup> | EN 12808-3<br>EN 12808-3           |
| <b>Flexural strength:</b> <ul style="list-style-type: none"> <li>After dry storage</li> <li>After freeze thaw cycles</li> </ul>     | > 2.5 N/mm <sup>2</sup><br>> 2.5 N/mm <sup>2</sup> | EN 12808-3<br>EN 12808-3           |
| <b>Water absorption:</b> <ul style="list-style-type: none"> <li>After 30 mins immersion</li> <li>After 6 hours immersion</li> </ul> | < 2.0g<br>< 5.0g                                   | EN 12808-5<br>EN 12808-5           |
| <b>Shrinkage:</b>                                                                                                                   | < 3.0 mm/M                                         | EN 12808-4                         |
| <b>Reaction to Fire</b>                                                                                                             | NPD                                                |                                    |
| <b>Release of dangerous substances</b>                                                                                              | See MSDS                                           |                                    |

This declaration of performance is issued under the sole responsibility of Bostik Ireland Ltd.

Signed for and on behalf of Bostik Ireland Ltd by:-

Name : Brian Monaghan

Signature: 

Date: May 2016

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In accordance with Annex III of Regulation (EU) No 305/2011  
(Construction Products Regulation)