



# EVO-STIK Floor Tile Adhesive & Grout for Concrete Floors

**A READY MIXED, WATERPROOF CERAMIC TILE ADHESIVE & GROUT**

Date: 14 January 2016

Fact Sheet No.: TDS00085

## YOUR SMART ADVANTAGES

- Flexible formulation - absorbs vibration, shrinkage and flexing
- Can be used to tile directly over concrete screed, no need to lay plywood or other fixings prior to application
- For use with ceramic & quarry tiles

## USES

EVO-STIK Floor Tile Adhesive & Grout for Concrete Floors is a ready-to-use adhesive & grout specially developed for tiling ceramic or quarry tiles directly onto interior concrete and screed floors. EVO-STIK Floor Tile Adhesive & Grout for Concrete Floors is not suitable for use with glass, marble, porcelain, natural stone, terracotta tiles or under floor heating.

For tiling onto concrete with underfloor heating, we recommend EVO-STIK Floor Tile Adhesive & Grout Underfloor Heating for Wood & Concrete Floors. For wooden floors, we recommend EVO-STIK Floor Tile Adhesive & Grout for Wooden Floors.

## PRODUCT CHARACTERISTICS

Colour	Grey
Form	Structured paste
Specific Gravity	1.75 approx.
Composition	An acrylic aqueous emulsion with inorganic extenders.
Product Codes	30812926 Large x 1 30812929 Extra Large x 1

Storage/Shelf Life

Store for up to 24 months from date of manufacture when stored in original, unopened packaging in a cool, dry place within the temperature range +5°C to +30°C and out of direct sunlight. Protect from frost.

## TYPICAL PERFORMANCE DATA (Approx.)

Application Temperature	+10°C to +30°C		
Service Temperature	-20°C to +70°C		
Open Time	20 minutes @ 20°C		
Coverage	Sizes	Notched Trowel	Solid Bed
	Large	2.9m <sup>2</sup>	1.4m <sup>2</sup>
	Extra Large	5.8m <sup>2</sup>	2.9m <sup>2</sup>
	Grouts up to 4m <sup>2</sup>		
	Coverage is dependent upon the nature of the substrate, the adhesive bed thickness, tile dimensions and the width of grout joints.		
Drying Times	24 hours at 20°C		
	Note: Drying times may be affected by ambient conditions.		

## DIRECTIONS FOR USE

**IMPORTANT:** Before using EVO-STIK Adhesive & Grout for Concrete Floors refer to the relevant Health & Safety Data Sheet, available at [www.bostik.co.uk](http://www.bostik.co.uk).

## PREPARATION

1. Ensure surfaces are flat, dry, clean, porous and free from dust, grease and paint prior to tiling to ensure a good bond.



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- All contaminants such as paints, varnishes, wax polishes and sealers etc. must be removed.

#### **New Floors:**

- When tiling onto concrete or screed floors, it is important that the area to be tiled is fully dried to at least 10mm below the surface. To test for dampness, simply place a piece of polythene 1m<sup>2</sup> onto the floor and tape around the edges. Leave overnight. Any moisture underneath the polythene indicates dampness. A drying time of 24 hours per 1mm thickness should be allowed. Repeat the test for dampness to ensure the floor has dried sufficiently.

#### **Old Floors:**

- It is essential that the floor is both porous and dry. A simple test for porosity is to apply a drop of water to the surface, which should be absorbed and produce a dark area.
- The surface may require sanding, or mechanical removal of sealers or contamination to make it porous.
- Maximum application thickness of adhesive must not exceed 4mm.
- Very porous surfaces should be primed with EVO-STIK Evo-Bond PVA at 1 part to 4 parts water by volume prior to tiling.
- It is recommended that you work in small areas of approximately 1m<sup>2</sup>.
- Mark the floor in the centre of the room with two lines at right angles to each other. Place a row of tiles on the dry floor starting at the intersection of the two lines. Allow a minimum of 3mm and a maximum of 10mm grout widths between tiles. Check your starting position gives the most efficient use of tiles to ensure it will not be necessary to cut thin pieces of tile to fit any edges or corners.

#### **MIXING**

- Stir the adhesive well before use – a clean wooden stick is suitable.

#### **APPLICATION**

##### **As Adhesive:**

- Tile small areas, to avoid walking on newly tiled areas until they are dry.
- Working in small areas, apply adhesive to the floor using a half moon trowel with 10mm notches to achieve a solid bed of adhesive onto the floor.
- Keep the bed thickness between 2.5 – 3mm. To test if the bed thickness is satisfactory, after the first tile has been laid, carefully lift it at a corner. The adhesive should have been transferred to the back of the tile and only a rippled layer be seen on both the floor and the tile. If some tile is visible then a little more adhesive will be necessary.
- If the backs of the tiles are studded, a thin layer of adhesive should be applied to the back of the tile to ensure that no voids occur in the adhesive.

- Place the tiles immediately onto the adhesive, pressing down with a slight twisting action to ensure a good bond is achieved.

- Use a spirit level across several tiles to ensure they are laid as evenly as possible.
- Clean any excess adhesive from the tile face and clean joints as tiling continues using a clean damp cloth whilst the adhesive is still wet
- On low porosity surfaces and/or damp and lower temperatures, the drying time will be greatly extended and the floor should be left for at least 24 hours before allowing foot traffic.

#### **Spacing of Tiles:**

- If self-spacing tiles are being used, they will automatically give the correct spacing for the tiles. If self-spacing tiles are not being used, joints of up to 10mm should be left around each tile by the insertion of tile spacers during the fixing.
- Ceramic tiles should never be fixed with tight joints.
- Minor adjustments to the position of a tile may be made up to 5 minutes after the application.
- Tile spacers may be carefully removed after approx. 1 to 2 hours after application, when the adhesive has dried sufficiently.
- Leave the tiles for at least 24 hours before grouting to ensure the adhesive is dry. Impervious backgrounds may need up to 72 hours under good drying conditions.

#### **Grouting:**

- Working in small areas, compact EVO-STIK Floor Tile Adhesive & Grout for Concrete Floors into the grout joints using a grout spreader or float ensuring the joints are completely filled. Smooth the grouted joint with a grout finisher.
- If a separate grout is to be used, to maintain the flexibility of the system a suitable flexible floor tile grout should be used.
- Remove any excess grout before it has dried with a lightly dampened sponge. Wipe gently in a diagonal direction to avoid disturbing the grout. Clean the sponge regularly.
- Before using tiled area, allow to dry for 24 hours at 20°C and then polish with a clean cloth. Do not wet the floor for at least 72 hours after tiling and/or grouting.

#### **CLEANING**

- Whilst it is still wet, surplus adhesive must be removed immediately from surrounding surfaces using a damp cloth.
- Clean tools and equipment immediately after use with warm water. As the adhesive dries to a water resistant residue, an abrasive pad may be found of assistance.



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## PRECAUTIONS IN USE

EVO-STIK Floor Tile Adhesive & Grout for Concrete Floors is not suitable for use with glass, marble, porcelain, natural stone, terracotta or underfloor heating. Minor colour variation can occur between batches. To ensure colour consistency, use product from the same batch number. Drying time will be extended if the product is applied on to non-absorbent surfaces or not in accordance with the instructions, e.g. too thick, aim for a thin solid bed of adhesive. EVO-STIK Adhesive and Grout for Concrete Floors is an aqueous adhesive, which forms strong bonds by evaporation of water. It cannot, therefore, be used to bond ceramic tiles onto impervious surfaces, e.g. plastic underfloor heating pads. Do not tile onto substrates in excessively hot conditions, or when the temperature is less than 10°C.

For any application not covered please contact Technical Services on +44 (0)1785 272625 or visit [www.bostik.co.uk](http://www.bostik.co.uk) 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 for EVO-STIK Adhesive & Grout for Concrete Floors, available at [www.bostik.co.uk](http://www.bostik.co.uk).

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



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**CONSTRUCTION PRODUCT REGULATION  
DECLARATION OF PERFORMANCE**

**No.: TDS00085**

Product Description: **EVO-STIK Floor Tile Adhesive & Grout for Concrete Floors**

Product Codes: **5010591622234, 5010591622265**

Intended Use: **Improved dispersion adhesive with extended open time for internal tiling**

Manufacturer: **Bostik Ltd**  
Contact Address: **Ulverscroft Road  
Leicester  
LE4 6BW**

System of Assessment: **System 3**

Harmonised Standard: **EN12004:2007+A1:2012**

Notified Body: **The notified body No.NB1289 carried out the determination of the product type on the basis of type testing on samples taken by the manufacturer under system 3 and issued the test reports (131338)-5700 and (143966)-18528**

Declared Performance: **D2E**

Essential Characteristics	Performance	Harmonised technical specification
Reaction to fire	F	<b>EN12004:2007+A1:2012</b>
Initial Shear adhesion strength	≥ 1 N/mm <sup>2</sup>	
Shear adhesion strength after heat aging	≥ 1 N/mm <sup>2</sup>	
Extended open time: tensile adhesion strength	≥ 0.5 N/mm <sup>2</sup> after not less than 30 minutes	
Adhesion strength after water immersion	≥ 0.5 N/mm <sup>2</sup>	
Adhesion strength at elevated temperature	≥ 1 N/mm <sup>2</sup>	
Dangerous substances	See MSDS	

The performance of the above product EVO-STIK Floor Tile Adhesive & Grout for Concrete Floors 5010591622234, 5010591622265 is in conformity with the declared performance as defined under EN 12004:2007 +A1:2012.

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

**Signed for and on behalf of Bostik Ltd by:**

**Name:** Alison Jamieson

**Function:** S.H.E.Q. Manager

**Signature:** 

**Date:** April 2014



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