



EVO-STIK Floor Tile Adhesive for Concrete Floors

A CEMENT BASED, CERAMIC FLOOR TILE ADHESIVE

Date: 01 October 2019

Fact Sheet No.: TDS00328

YOUR SMART ADVANTAGES

- Long open time for areas which are awkward or complicated to tile
- Excellent adhesion
- Weather resistant

USES

EVO-STIK Floor Tile Adhesive for Concrete Floors is a cement-based floor tile adhesive that has been designed to allow more working time, making it ideal in areas which are awkward or complicated to tile. Waterproof and frost resistant, it is suitable for interior and exterior use. Suitable for use on cured concrete surfaces, screeds, over tiles and over floor levelling compounds.

EVO-STIK Floor Tile Adhesive for Concrete Floors is not suitable for use with glass, marble, porcelain, natural stone, terracotta or underfloor heating.

For tiling onto wood or for use with underfloor heating we recommend EVO-STIK Floor Tile Adhesive Fast Set for Wood, Concrete & Plaster.

PRODUCT CHARACTERISTICS

| | |
|------------------|--|
| Colour | Grey |
| Form | Powder |
| Specific Gravity | 1.75 approx. |
| Composition | A blend of cement, polymers and selected fillers |
| Product Code | 30812719 20kg x1 |

Storage/Shelf Life

Store for up to 6 months from date of manufacture when stored in original, unopened packaging under cool, dry conditions, clear of the ground, within the temperature range +5°C to +30°C and out of direct sunlight. Protect from frost

TYPICAL PERFORMANCE DATA (Approx.)

Application Temperature

+5°C to +25°C

Service Temperature

-20°C to +70°C

Open Time

1 hour

Coverage

Fixes up to 3.6m². Coverage is dependent on the nature of the substrate, the adhesive bed thickness and the type of tile.

The above figures do not include wastage

Drying Times

Can be grouted after 24 hours.

Note: Drying times may be affected by ambient conditions.

DIRECTIONS FOR USE

IMPORTANT: Before using EVO-STIK Floor Tile Adhesive for Concrete Floors refer to the relevant Health & Safety Data Sheet, available at www.evo-stik.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.
2. All contaminants such as paints, varnishes, wax polishes etc. must be removed.

New Concrete Floors:

3. When tiling onto concrete or screed floors, it is important that the floor is fully dried to at least 10mm below the surface. To test for dampness, simply place a piece of polythene 1m² 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 Concrete Floors:

4. 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.
5. Dusty or very porous surfaces should be primed with EVO-STIK Evo-Bond PVA at 1 part PVA to 4 parts water by volume prior to tiling.
6. It is recommended that you work in small areas of approximately 1m².
7. Mark the floor in the centre of the room with two lines at right angles to each other. Place a row of tiles onto the dry floor at the intersection of the two tiles.
8. 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 that it will not be necessary to cut thin pieces of tiles to fit any edges or corners.

MIXING

9. Mix 5kg of adhesive at a time. This will tile an area of approximately 1.8m² and should be enough for approx. 30 minutes work. Any mix unused after this time should be discarded.
10. Mix 3.5 parts powder to 1 part cold water.
11. When mixing the product in a bucket, whether with a hand held trowel or mechanical paddle, add the water first and then mix in the powder gradually until a thick creamy, lump-free consistency is achieved.
12. The mixture is ready for use immediately.
13. No water should be added after the original mixing.

APPLICATION

14. Tile small areas at a time, to avoid walking on newly tiled areas until they are dry.

15. Working in small areas, apply the adhesive onto the floor using a notched trowel to achieve a solid bed of adhesive under the tile. The final bed of adhesive must not exceed a thickness of 4mm.
16. Place the tiles immediately onto the adhesive, pressing down with a slight twisting action to ensure a good bond is achieved.
17. Use a rubber mallet to gently tap the tops of the tiles to ensure they are firmly positioned.
18. Use a spirit level across several tiles to ensure they are laid as evenly as possible.
19. Clean adhesive spillage from the tile face and clean joints as tiling continues. Excess adhesive must be removed from the surface of the tiles and joints with a damp cloth, whilst the adhesive is still wet.

Grouting:

20. Allow 24 hours after application before grouting. For best results, use an EVO-STIK Floor Tile Grout.
21. Excess grout must be removed from the surface of the tiles immediately with a damp cloth.
22. Follow the tile manufacturer's instructions for protecting and sealing the tiles before and after grouting.

CLEANING

23. Whilst it is still wet, surplus adhesive must be removed from surrounding surfaces with a damp cloth.
24. Clean tools and equipment immediately after use with warm water.
25. Remove bulk using a rubber squeegee.
26. Remove the residue of uncured material using a damp cloth.

PRECAUTIONS IN USE

EVO-STIK Floor Tile Adhesive for Concrete Floors is not suitable for use with glass, marble, porcelain, natural stone, terracotta or underfloor heating. Drying time will be extended if the product is applied onto non-absorbent surfaces or not in accordance with the instructions, e.g. too thick, aim for a thin solid bed of adhesive. EVO-STIK Floor Tile Adhesive 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 5°C. Do not tile over vinyl tiles. Do not tile on wooden surfaces. Not suitable for areas subject to permanent water immersion e.g. swimming pools.

For any application not covered please contact Technical Services on +44 (0)1785 272625 or visit 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 Floor Tile Adhesive for Concrete Floors, available at www.evo-stik.co.uk.

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



**CONSTRUCTION PRODUCT REGULATION
DECLARATION OF PERFORMANCE**

No: TDS00328

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

Product Code: **5010591999572, 5010591478534, 5010591478541**

Intended Use: **Normal setting cementitious adhesive with reduced slip for internal and external use**

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 report (131338)-5706**

Declared Performance: **C1T**

| Essential Characteristics | Performance | Harmonised technical specification |
|--|--|------------------------------------|
| Reaction to fire | F | EN12004:2007+A1:2012 |
| Initial tensile adhesion strength | ≥ 0.5 N/mm² | |
| Tensile adhesion strength after water immersion | ≥ 0.5 N/mm² | |
| Tensile adhesion strength after heat aging | ≥ 0.5 N/mm² | |
| Tensile adhesion strength after freeze thaw cycles | ≥ 0.5 N/mm² | |
| Open time: tensile adhesion strength | ≥ 0.5 N/mm² after not less than 20 min | |
| Slip | ≤ 0.5 mm | |
| Dangerous substances | See MSDS | |

The performance of the product EVO-STIK Floor Tile Adhesive for Concrete Floors is in conformity with the declared performance shown in the table above.

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

