



EVO-STIK Fast Set Floor Tile Adhesive for Concrete Floors

A RAPID SET, CEMENT BASED CONCRETE FLOOR TILE ADHESIVE

Date: 01 October 2019

Fact Sheet No.: TDS00047

YOUR SMART ADVANTAGES

- Fast setting formulation, perfect for use in areas that need to withstand foot traffic quickly
- Waterproof & frost resistant
- For interior & exterior use

USES

EVO-STIK Fast Set Floor Tile Adhesive for Concrete Floors is a cement-based floor tile adhesive that will set within 2 hours, making it ideal for use in kitchens, bathrooms and areas where quick setting is essential. Waterproof and frost resistant, it is suitable for interior and exterior use. Suitable for use on cured concrete surfaces, screeds, plaster, over tiles and over floor levelling compounds.

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

For tiling onto wood or for use with underfloor heating we recommend EVO-STIK Floor & Wall 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 Codes	30812712 10kg x 1 30812714 20kg x 1

Storage/Shelf Life

Store for up to 6 months from the 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

30 minutes

Coverage

Fixes up to 2m² per 5kg. 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

30 to 40 minutes after mixing

May be grouted after 2 hours

Note: Drying times may be affected by ambient conditions.

DIRECTIONS FOR USE

IMPORTANT: Before using EVO-STIK Fast Set 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:

3. It is important that the concrete or screed floor to be tiled is fully dried to at least 10mm below the floor surface. To test for dampness, simply place a piece of polythene about 1m² onto the floor and tape around the edges. Leave overnight. Any moisture underneath the polythene indicates dampness. A drying time of 1 day per 1mm thickness should be allowed. Repeat the test for dampness to ensure the floor has dried sufficiently.

Old Concrete:

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. Remove any 'loose' floor covering such as vinyl sheeting. If tiling over old ceramic tiles it is recommended to clean and score them first.*
6. Pre-plan the room by placing tiles on the dry floor while allowing for grout lines. Cut any tiles required to fit the space before mixing the adhesive. Lightly dampen the floor with cold water using a household water sprayer. This will aid adhesion to the floor surface.
7. For very non-porous surfaces, light abrasion is recommended to ensure adhesion.
8. Dusty or very porous surfaces should be primed with 1 part EVO-STIK Evo-Bond PVA to 4 parts water prior to tiling.

MIXING

9. Mix 2.5kg of adhesive at a time. This will tile an area of approximately 1m² and should be enough for 30 minutes work. Any mix unused after this time should be discarded.
10. Mix 4.8 parts powder to 1 part cold water by volume.
11. When mixing the product in a bucket, whether with a hand held trowel or mechanical paddle, add the water first and mix in the powder gradually until a thick creamy consistency is achieved.
12. Once the product is mixed it can set within 30 - 40 minutes (depending on drying conditions).
13. The mixture is ready for use immediately.
14. No water should be added after the original mixing.

APPLICATION

15. Tile small areas at a time, to avoid walking on newly tiled areas until they are dry.
16. 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. 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 of the tile is visible then a little more adhesive will

be necessary.

17. Place the tiles immediately onto the adhesive, pressing down with a slight twisting action to ensure a good bond is achieved.
18. Use a rubber mallet to gently tap the tops of the tiles to ensure they are firmly positioned.
19. Use a spirit level across several tiles to ensure they are laid as evenly as possible.
20. 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:

21. Allow 2 hours after application before grouting. For best results, use an EVO-STIK Floor Tile Grout.
22. Excess grout must be removed from the surface of the tiles immediately with a damp cloth.
23. Follow the tile manufacturer's instructions for protecting and sealing the tiles before and after grouting.

CLEANING

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

PRECAUTIONS IN USE

EVO-STIK Fast Set Floor Tile Adhesive for Concrete Floors is not suitable for use with glass, marble, porcelain, natural stone, terracotta tiles, or with underfloor heating. Drying times 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 Fast Set 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. 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 Fast Set 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: TDS00047

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

Product Code: **5010591999558, 5010591478480, 5010591478497**

Intended Use: **Fast setting cementitious adhesive 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**

Declared Performance: **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)-5707**

Declared Performance: **C1F**

Essential Characteristics	Performance	Harmonised technical specification
Reaction to fire	F	EN12004:2007+A1:2012
Initial Tensile adhesion strength	≥ 0.5 N/mm ²	
Tensile adhesion strength after water immersion	≥ 0.5 N/mm ²	
Tensile adhesion strength after heat aging	≥ 0.5 N/mm ²	
Tensile adhesion strength after freeze thaw cycles	≥ 0.5 N/mm ²	
Open time: tensile adhesion strength	≥ 0.5 N/mm ² after not less than 20 min	
Early tensile adhesion strength	≥ 0.5 N/mm ²	
Open time: tensile adhesion strength	≥ 0.5 N/mm ² after not less than 10 min	
Dangerous substances	See MSDS	

The performance of the product EVO-STIK Fast Set 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

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