



# EVO-STIK Fast Set Floor & Wall Tile Adhesive for Wood, Concrete & Plaster

A FAST SETTING FLOOR TILE ADHESIVE FOR CERAMIC, STONE & PORCELAIN TILES

Date: 1 October 2019

Fact Sheet No.: TDS00043

## YOUR SMART ADVANTAGES

- Rapid setting formulation – takes foot traffic after two hours
- Waterproof and frost resistant
- Suitable for interior and exterior use

## USES

EVO-STIK Fast Set Floor & Wall Tile Adhesive for Wood, Concrete & Plaster is a cement based, flexible tile adhesive that will set it just 2 hours. It has been specially developed for fixing ceramic, porcelain, natural stone, quarry, slate, granite and terrazzo.

Waterproof and frost resistant, it is suitable for interior and exterior use. EVO-STIK Fast Set Floor & Wall Tile Adhesive for Wood, Concrete & Plaster can be applied directly onto cured concrete and screeds, onto plaster and plasterboard, over tiles and onto wood. It is also suitable for use with most domestic underfloor heating kits and can be used for thin and thick bed applications to a maximum depth of 12mm. Need to add some information ensuring to cover the underfloor heating or can this adhesive be used in direct contact? See highlighted Precautions section and point 8.

When using EVO-STIK Fast Set Floor & Wall Tile Adhesive for Wood, Concrete & Plaster for installations that incorporate underfloor heating, the heating must be switched off for at least 48 hours before and after application.

## PRODUCT CHARACTERISTICS

Colour	Grey
Physical Form	Powder
Specific Gravity	1.7 approx.

Composition	A blend of cement, polymers and selected fillers.		
Product Codes	30811872	10kg	Grey x1
	30811874	20kg	Grey x1
	30606657	20kg	White 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 of +5°C to +35°C and out of direct sunlight. Protect from frost.		

## TYPICAL PERFORMANCE DATA (Approx.)

Application Temperature	+5°C to +35°C
Service Temperature	-20°C to +70°C
Open Time	30 minutes at 20°C
Coverage	10kg: Fixes up to 3.5m <sup>2</sup> (approx.) 20kg: Fixes up to 7m <sup>2</sup> (approx.) Dependent on the nature of the substrate, the adhesive bed thickness and the type of tile.
Drying Times	Can be grouted after 2 hours.

## DIRECTIONS FOR USE

IMPORTANT: Before using EVO-STIK Fast Set Floor & Wall Tile Adhesive for Wood, Concrete & Plaster refer to the relevant Health & Safety Data Sheet, available at [www.evo-stik.co.uk](http://www.evo-stik.co.uk).

## PREPARATION

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

### New Concrete:

2. 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 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 1 day per 1mm thickness should be allowed. Repeat the test for dampness to ensure the floor has dried sufficiently.

### Old Concrete:

3. 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.

### Wooden Floors:

4. When tiling onto wooden floors or directly onto floorboards, new boards should be allowed to adjust to prevailing conditions. Ensure that boards are firmly screwed (not nailed) at 300mm intervals to ensure there is no excessive movement. If gaps between boards are greater than 6mm it is recommended to cover existing surfaces with a minimum 15mm plywood which is firmly screwed down (not nailed) at 300mm intervals.
5. If large tiles are to be used special care is required to prevent excessive flexing of timber floors to prevent cracking of tiles. This may require the use of an overlay to add stability.
6. Floors which move visibly when in use must be stabilised by affixing plywood sheets, greater than 12mm thick, with screws so that the floor is stable. Floating floors where boards cannot be stabilised by screw fixings must be stabilised by affixing plywood sheets as above.

### Floor Tiles:

7. Re-fix any loose tiles and remove any 'loose' surface coverings such as vinyl sheeting. If tiling over existing ceramic floor tiles, it is recommended to clean and score them first.

### Underfloor Heating:

8. If using over underfloor heating elements, apply the adhesive according to the manufacturer's instructions, leaving the correct length of time between laying the underfloor heating and applying the adhesive. Heating systems must be switched off for at least 48 hours before and after tiling.
9. Dusty or very porous surfaces should be primed with 1 part EVO-STIK Evo-Bond PVA to 4 parts water by volume and allow to dry prior to tiling. For wooden floors only prime if absolutely necessary as it may reduce the porosity of the floor and increase the drying time of the adhesive.
10. Pre-plan the room by placing tiles on the dry floor while allowing for grout lines of a minimum of 3mm to 10mm.

Cut any tiles required to fit the space before mixing the adhesive. Lightly dampen with cold water using a household sprayer. This will aid adhesion to the floor surface.

### Wall Tiles :

11. Ensure all surfaces to be tiled are dry, sound, clean grease/oil free and sufficiently strong and rigid to support the tile finish.
12. If using over existing ceramic wall tiles, clean thoroughly and score to ensure good adhesion.
13. Re-fix any loose tiles and remove any 'loose' surface coverings such as wallpaper. Fill any holes or cracks in the walls.

### Tiling onto plaster:

14. Prime with a suitable acrylic EVO-STIK / Bostik primer (following the products full instructions of use) and allow to dry.

### Tiling onto plasterboard:

15. Before tiling ensure the substrate has been primed and sealed.
16. Loosely nail a wooden batten horizontally to the wall at least one tile height from the lowest part that is being tiled up to e.g. skirting board. Use a spirit level to make sure the batten is level.
17. Try to ensure that it is not necessary to cut thin pieces of tile above or below the batten as this can look untidy. If possible, cut tiles should be placed in corners or edges where they are not so noticeable.
18. Measure tile widths across the batten then mark a vertical line with a plumb line down the centre of the area to be tiled. Mark the wall behind the string line and loosely nail a wooden batten vertically to the wall along the marks. Check the batten is vertical with a spirit level.

## MIXING

19. Mix 5kg of adhesive at a time. This will tile an area of approximately 1.8m<sup>2</sup> and should be enough for approx. 30 minutes work. Any mix unused after this time should be discarded.
20. Mix 4.5 parts powder to 1 part cold water.
21. 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.
22. The mixture is ready for use immediately.
23. Once the product is mixed it can be set within 30 to 40 minutes (depending on drying conditions).
24. No water should be added after the original mixing.

## APPLICATION

### Floor Tiles:

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

26. 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
27. Place the tiles immediately onto the adhesive, pressing down with a slight twisting action to ensure a good bond is achieved.
28. Use a rubber mallet to gently tap the tops of tiles to ensure they are firmly positioned.
29. Use a spirit level across several tiles to ensure they are laid as evenly as possible.
30. 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.

#### Wall Tiles:

##### Notched Trowel Method (dry areas):

1. Spread the adhesive onto the wall with a plane trowel, or float, to a depth of 3mm.
2. Spread only sufficient material for approx. 10 minutes working time i.e. approx. 1m<sup>2</sup>, less in higher ambient conditions.
3. 'Comb' the adhesive immediately with a notched trowel, e.g. one having 6mm x 6mm notches at 12mm centres.
4. Press the dry tiles with a slight twisting action into the adhesive.
5. It is recommended to occasionally lift a tile to check that adequate contact and wetting out is being achieved. Most of the back of each tile should be in good contact with the adhesive.

##### Solid Bed Method (wet areas):

6. For areas subject to frequent wetting, including shower walls, the adhesive should be spread on the background to a depth of 3mm and then 'combed' very lightly, simply as a means of levelling any projections.
7. The dry tiles should then be pressed into the adhesive bed, ensuring no voids in the adhesive are left behind them.

##### Spacing of Tiles:

31. If self-spacing tiles are being used, they will automatically give the correct spacing for the tiles. If self-spacing tiles are not used, joints of up to 10mm should be left by the insertion of tile spacers during the fixing.
32. Ceramic tiles should never be fixed with tight joints.
33. Minor adjustments to the position of a tile can be made up to 5 minutes after application.

34. Tile spacers may be carefully removed after approx. 1 to 2 hours, when the adhesive has dried sufficiently.

#### Grouting:

35. Allow a minimum of 2 hours to dry before grouting. For best results use an EVO-STIK Tile Grout.
36. Excess grout must be removed from the surface of the tiles immediately using a damp cloth.
37. Follow the tile manufacturer's instructions for protecting and sealing the tiles before and after grouting.

#### CLEANING

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

#### PRECAUTIONS IN USE

EVO-STIK Fast Set Floor & Wall Tile Adhesive for Wood, Concrete & Plaster is not suitable for areas of permanent immersion e.g. swimming pools. Do not tile over vinyl tiles. Do not tile onto wooden surfaces outdoors. Do not tile onto substrates in excessively hot conditions, or when the temperature is less than 5°C. 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 Fast Set Floor & Wall Tile Adhesive for Wood, Concrete & Plaster 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.

For any application not covered please contact Technical Services on +44 (0)1785 272625 or visit [www.bostik.com/uk](http://www.bostik.com/uk) for advice.

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

For health and safety instructions, first aid measures and spillage and disposal instructions see separate Health and Safety Data Sheet for EVO-STIK Fast Set Floor & Wall Tile Adhesive for Wood, Concrete & Plaster, available at [www.evo-stik.co.uk](http://www.evo-stik.co.uk).

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



**CONSTRUCTION PRODUCT REGULATION  
DECLARATION OF PERFORMANCE**

No: TDS00043

Product Description: **EVO-STIK Floor Tile Adhesive for Wood & Concrete Floor with Underfloor Heating**

Product Code: **5010591136892, 5010591136915**

Intended Use: **Improved 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**

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)-5704**

Declared Performance: **C2F**

Essential Characteristics	Performance	Harmonised technical specification
Reaction to fire	F	EN12004:2007+A1:2012
Initial tensile adhesion strength	≥ 1.0 N/mm <sup>2</sup>	
Tensile adhesion strength after water immersion	≥ 1.0 N/mm <sup>2</sup>	
Tensile adhesion strength after heat aging	≥ 1.0 N/mm <sup>2</sup>	
Tensile adhesion strength after freeze thaw cycles	≥ 1.0 N/mm <sup>2</sup>	
Open time: tensile adhesion strength	≥ 0.5 N/mm <sup>2</sup> after not less than 20 min	
Early tensile adhesion strength	≥ 0.5 N/mm <sup>2</sup>	
Release of dangerous substances	See MSDS	

The performance of the product 5010591136892, 5010591136915 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

This disclaimer is issued by Bostik Limited ("the Company") and applies to the use of any products supplied by the Company ("the Products") displayed on this Technical Data Sheet ("TDS"). Please read this disclaimer carefully before using any of the Products. Using this TDS and/or the Product constitutes your acceptance of this disclaimer. Its contents shall prevail over any directions of use and any disclaimer and/or exclusion or limitation of liability of the Company which may appear on the packaging of the Products.

This disclaimer sets out the entire financial liability of the Company (including any liability for the acts or omissions of its employees, agents and sub-contractors) to any user of the Products ("Product User") in respect of any use made or resale by the Product User, of any of the Products in this TDS.

This disclaimer does not affect the Company's liability for death or personal injury arising from the Company's negligence in respect of the Products, nor its liability for fraud, or fraudulent misrepresentation, nor any other liability which cannot be excluded or limited under applicable law.

The Company's total liability however arising and whether caused by tort (including negligence and breach of statutory duty), breach of contract or otherwise, arising in connection with the use made or resale by the Product User of any of the Products in this TDS shall be limited to the price paid for the Product by the Product User.

The Company shall not be liable to the Product User for any pure economic loss, loss of profit, loss of business, depletion of goodwill or otherwise, in each case whether direct, indirect or consequential, or any claims (including in respect of personal injury insofar as not caused by the Company's negligence) for consequential compensation whatsoever (howsoever caused) which arise out of or in connection with the use made or resale by the Product User of any of the Products in this TDS.

The Company shall not be liable to the Product User in relation to any loss for any use which is inappropriate or use which is otherwise than in accordance with the relevant instructions for use of the Products in this TDS or on the Product. Product Users are advised to confirm the suitability of the Products by their own tests.

This TDS covers just one of a large range of products supplied by the Company.

Full information on these products and advice on application is freely available from our fully trained staff throughout the country. In addition, specialist technical advice is available from our Technical Services Department. This TDS supersedes all previous TDSs relating to the Products, and users of it must ensure that it is the current issue. Destroy all previous TDS, and if in any doubt, contact the Company, quoting the code number in the top right hand corner on the front of this document.

Sales	Tel: 0844 371 1192	Fax: 01785 241818	<a href="mailto:customer.service@bostik.com">customer.service@bostik.com</a>
Technical Advice	Tel: 0844 371 1197	Fax: 01785 272867	<a href="mailto:technical.service@bostik.com">technical.service@bostik.com</a>
Safety Data Sheets	Tel: 01785 272625	Fax: 01785 212962	<a href="mailto:sds.box-eu@bostik.com">sds.box-eu@bostik.com</a>