



# EVO-STIK Fast Set Floor Tile Adhesive for Wood & Concrete Floors

A READY MIXED, FAST SET FLOOR TILE ADHESIVE

Date: 19 July 2018

Fact Sheet No.: TDS00427

## YOUR SMART ADVANTAGES

- Water resistant
- Fast setting formulation sets in just four hours
- Suitable for a wide range of floor tiles

## USES

EVO-STIK Fast Set Floor Tile Adhesive for Wood & Concrete Floors is a unique floor tile adhesive with added accelerant for rapid setting in just four hours. Specially developed for a wide variety of tiles including ceramic, terracotta, limestone, granite, slate, and travertine or quarry tiles directly onto interior concrete or wooden floors.

EVO-STIK Fast Set Floor Tile Adhesive for Wood & Concrete is not suitable for use with glass, marble, porcelain or underfloor heating. For tiling with underfloor heating we recommend EVO-STIK Floor Tile Adhesive & Grout Underfloor Heating for Wood & Concrete Floors.

## PRODUCT CHARACTERISTICS

Colour	Grey
Form	Thick Paste
Specific Gravity	1-93
Composition	A blend of cement, polymers and selected fillers
Product Code	30812924 Large x1
Storage/Shelf Life	Store for up to 24 months from date of manufacture when stored in original, unopened packaging under cool, dry conditions within the temperature range +5°C to +30°C and out of direct sunlight. Protect from

	frost.
<b>TYPICAL PERFORMANCE DATA (Approx.)</b>	
Application Temperature	+5°C to +25°C
Service Temperature	-20 to +70°C
Open Time	40 minutes at 18°C In warmer conditions this will be reduced.
Coverage	2-5mm thick one. Pack will cover 1.4mm <sup>2</sup> Coverage is dependent on the nature of the substrate, the adhesive bed thickness, and the type of tile.
Drying Times	May be grouted after four hours Note: Drying times may be affected by ambient conditions.

## DIRECTIONS FOR USE

**IMPORTANT:** Before using EVO-STIK Fast Set Floor Tile Adhesive for Wood & 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, vanishes, wax and paint prior to tiling to ensure a good bond.

## New Concrete Floors:

2. 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 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 Concrete Floors:**

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.

#### **Wood Floors:**

4. When tiling onto wooden floors or directly onto floorboards, new boards should be allowed to adjust to prevailing conditions. Ensure boards are firmly screwed down (not nailed) at 150mm 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 of 15mm plywood which is firmly screwed down (not nailed) at 150mm intervals.
5. If large tiles are to be used special care is required to prevent excessive flexing of timber floors to prevent cracking of the tiles. This may require the use of an overlay to add stability.
6. Floors which move visibly when in use must be stabilized by affixing plywood sheets, greater than 12mm thick, with screws so that the floor is stable. Floating floors where the boards cannot be stabilized by screw fixings must be stabilised by affixing plywood sheets as above.

#### **All Surfaces:**

7. Dusty or very porous surfaces must be primed with EVO-STIK EVO-Bond PVA at 1 part to 4 parts water by volume? prior to tiling.
8. It is recommended to work in small areas of approximately 1m<sup>2</sup>.
9. 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 and starting at the intersection of the two tiles.
10. 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**

11. Take the bag of accelerant out of the tray. Gently pull out the inner tray to reveal the adhesive.
12. Briefly stir the adhesive before use – a wooden stick is suitable.
13. Cut open the bag of accelerant and slowly add half to the adhesive. Stir well before adding the remaining accelerant ensuring the mix is smooth and lump-free.
14. Once mixed, the adhesive has a working time of 40

minutes at 18°C. In warmer conditions working time will be reduced.

#### **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. Place the tiles immediately onto the adhesive, pressing down with a slight twisting action to ensure a good bond is achieved. \*Statement taken from ready mixed adhesives. Ok to use for cementitious products too?\*
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 immediately with a damp cloth.

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

21. 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.
22. Ceramic tiles should never be fixed with tight joints
23. Minor adjustments to the position of a tile can be made up to 5 minutes after application.
24. Tile spacers may be carefully removed after approx. 1 to 2 hours after application, when the adhesive has dried sufficiently.

#### **Grouting:**

25. Allow a minimum of 4 hours after application before grouting.
26. Protect tiles from water for at least 3 days after grouting, or according to instructions on the grout packaging.
27. Remove any excess grout from the surface of the tiles immediately.

#### **CLEANING**

28. Whilst it is still wet, surplus adhesive must be removed immediately from surrounding surfaces using a damp cloth.

29. Clean tools and equipment immediately after use with water.
30. Remove bulk using a rubber squeegee.
31. Remove any residue material using a damp cloth.

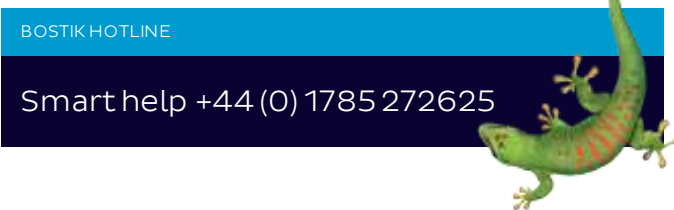
#### PRECAUTIONS IN USE

EVO-STIK Fast Set Floor Tile Adhesive for Wood & Concrete Floors is not suitable for use with glass, marble, porcelain or underfloor heating. Not recommended for sites of continuous immersion, such as swimming pools or shower floors. 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 Tile Adhesive for Wood & 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 Fast Set Floor Tile Adhesive for Wood & Concrete Floors, available at [www.bostik.co.uk](http://www.bostik.co.uk).



BOSTIK HOTLINE

Smart help +44 (0) 1785 272625

The graphic features a dark blue rectangular background. At the top left, the text 'BOSTIK HOTLINE' is written in white, uppercase letters. Below this, the text 'Smart help +44 (0) 1785 272625' is displayed in a larger white font. To the right of the text, a green lizard with orange spots is shown in a dynamic, jumping pose, partially overlapping the dark blue background.

**CONSTRUCTION PRODUCT REGULATION  
DECLARATION OF PERFORMANCE**

**No: TDS00427**

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

Product Code: **30812924**

Intended Use: **Fast setting ready mixed adhesive 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 report (131338)-5708**

Declared Performance: **C1F**

Essential Characteristics	Performance	Harmonised technical specification
Reaction to fire	<b>F</b>	<b>EN998-1:2010</b>
Initial Tensile adhesion strength	<b>≥ 0.5 N/mm<sup>2</sup></b>	
Tensile adhesion strength after water immersion	<b>≥ 0.5 N/mm<sup>2</sup></b>	
Tensile adhesion strength after heat aging	<b>≥ 0.5 N/mm<sup>2</sup></b>	
Tensile adhesion strength after freeze thaw cycles	<b>≥ 0.5 N/mm<sup>2</sup></b>	
Open time: tensile adhesion strength	<b>≥ 0.5 N/mm<sup>2</sup> after not less than 20 min</b>	
Early tensile adhesion strength	<b>≥ 0.5 N/mm<sup>2</sup></b>	
Open time: tensile adhesion strength	<b>≥ 0.5 N/mm<sup>2</sup> after not less than 10 min</b>	
Dangerous substances	<b>See MSDS</b>	

The performance of the product EVO-STIK Fast Set Floor Tile Adhesive for Wood & 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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