



EVO-STIK Strong Stuff Sealant & Adhesive

A high strength, single-part, hybrid adhesive and sealant

TECHNICAL SHEET NO: TDS01979 10/10/2024

SMART ADVANTAGES

- High strength grab adhesive and waterproof sealant
- Cures to a tough, flexible sealant which can be overpainted.
- Interior & exterior use

DESCRIPTION

EVO-STIK Strong Stuff Sealant & Adhesive is a high performance, single component, moisture curing, Silyl Modified Polymer (SMP) based adhesive and sealant. It will bond most surfaces even if both are impervious. EVO-STIK Strong Stuff Sealant & Adhesive will bond damp surfaces. It has very low odour, cures to form a hard elastic rubber, with almost no shrinkage and is low hazard.

EVO-STIK Strong Stuff Sealant & Adhesive does not contain any water or solvent, making it ideal for bonding foam polystyrene sheets. When fully cured, EVO-STIK Strong Stuff Sealant & Adhesive may be painted with most types of water-based emulsion paints.

EVO-STIK Strong Stuff Sealant & Adhesive bonds to most building materials including wood, MDF, plaster, brick, tiles, ceramics, plastics, PVC, concrete, stone, metal, glass, mirrors and almost any other material with a virtually unbreakable bond.

Meeting the requirements of BS EN 15651-1, 3, 4:2012 for façade elements, sanitary joints, and pedestrian walkways.



TECHNICAL CHARACTERISTICS

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|-------------------------|-----------------------------------|
| Colour | White |
| Form | Soft gunnable paste |
| Specific Gravity | 1.58 g/ml |
| Shore A Hardness | 55 |
| Composition | Moisture curing SM Polymer system |
| Application Rate | 100 - 300 g/min |
| Application Temperature | +5°C to +40°C |
| Curing Time* | Approx. 10 minutes |
| Elongation at Break | 300% |
| Joint Movement | +25% |
| Temperature Resistance | -40°C to +90°C |
| Tensile Strength | 2.05 N/mm ² |
| 100% Modulus | 2.2 N/mm ² |
| Flow | < 2mm |

* Cure through: Approx. 2mm/24 hours at 23°C/ 50% RH. Fully cured in approx. 24 hours, depending on bead width, temperature, and humidity.

COVERAGE

- Approximately 11 metres using a 5mm bead.

APPLICATION

IMPORTANT: Before using EVO-STIK Strong Stuff Sealant & Adhesive refer to the relevant Health & Safety Data Sheet, available at www.bostik.com/uk.

PREPARATION

- Surfaces must be sound, clean, and free from any contaminants such as dust, oil, grease, and any loose material.
- Cut off the dome at the top of the cartridge, taking care not to damage the thread. Cut the nozzle to the desired width and angle. Screw the nozzle onto the cartridge.
- Insert the cartridge into a cartridge gun and repeatedly squeeze the trigger until the adhesive appears.

APPLICATION

ADHESIVE APPLICATION

- Apply parallel beads of adhesive to one of the surfaces, align and bring the surfaces together before the product has skinned.
- Beads 5mm in diameter are generally sufficient. For close fitting surfaces, the bead may be reduced to 3mm diameter.
- The degree of separation of the beads of EVO-STIK Strong Stuff Sealant & Adhesive will depend upon the rigidity and weight of the panel, board or sign being bonded.
- A perimeter bead should not be applied as this can increase curing times.
- For rigid sheets, 100 – 150mm separation between beads is generally sufficient for high loading but may be increased if the load is low (such as lightweight wallboards and foam polystyrene) where 200mm – 500mm is acceptable.
- For less rigid boards, the separation may need to be quite small, and it is important to choose the correct bead size to ensure good contact on the mating surfaces.
- Clamp or support the materials until sufficient time has elapsed.

SEALANT APPLICATION

- Place the nozzle at the start of the gap and gently squeeze the trigger. Push forward slowly, ensuring that contact is made by the product with both sides of the gap. At the end of the run, release the trigger and press the plunger release plate of the gun.
- Product must be gunned firmly into the joints to ensure good adhesion to the joint surfaces.
- Smooth the sealant with a wet tool (do not use a wet finger) remove any excess with a cloth moistened with white spirit.

CLEANING

- Uncured product may be removed using cloths lightly dampened with white spirit, after carefully scraping off the bulk.
- Cured product requires mechanical removal.

STORAGE

- Store for up to 18 months from the date of manufacture when stored in original, unopened packaging under cool, dry conditions within the temperature range of +5°C to +25°C and out of direct sunlight. Protect from frost.

PRECAUTIONS IN USE

EVO-STIK Strong Stuff Sealant & Adhesive is not suitable for PE, PP, PC, PMMA, PTFE, Soft plastics, neoprene, and bituminous substrates. EVO-STIK Strong Stuff Sealant & Adhesive should not be used in swimming pools. Do not use for aquarium applications. Do not submerge under water. EVO-STIK Strong Stuff Sealant & Adhesive is not suitable for natural stone and mirrors.

EVO-STIK Strong Stuff Sealant & Adhesive is paintable after 24 hours with most paints (avoid alkyd resin-based paints). It is recommended to test compatibility with any paints prior to applications.

For any application not covered, please contact Technical Services on +44 (0)1785 272625 or visit www.bostik.com/uk for advice to determine suitability for use.

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 Strong Stuff Sealant & Adhesive, available at www.bostik.com/uk.

PACKAGING

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| Product Codes | 30614243 | White C20 x 12 |
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| 1213 UK CA 22 |
| DOP available on: www.bostik.com/uk TDS Number: TDS01900 DoP nr: White: 656-22-3244 |
| EN 15651-1: F-EXT-INT-CC EN 15651-3: S EN 15651-4: PW-EXT-INT-CC |
| Facade, Sanitary & Pedestrian walkways Sealant |

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| Technical Advice | Tel: 0844 371 1197 | technical.service@bostik.com |
| Safety Data Sheets | Tel: 01785 272625 | sds.box-eu@bostik.com |

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