



EVO-STIK Frame Silicone Sealant

NEUTRAL CURE SILICONE SEALANT

Date: 20 July 2018

Fact Sheet No.: TDS00022

YOUR SMART ADVANTAGES

- Specially formulated for excellent weatherproofing properties
- Accommodates high movement
- Long life for excellent exterior frame sealing performance

USES

EVO-STIK Trade Only Frame Silicone Sealant is for use in properly designed exterior high movement joints, especially around door and window frames. Suitable for all types of frames including aluminium, hardwood and uPVC. Suitable for high movement joints in building applications, e.g. between blockwork, brick, concrete and masonry.

PRODUCT CHARACTERISTICS

| | | | | | | | | | | | | | | | | |
|------------------|---|----------|-------|----------|----------|-------|----------|----------|-------|----------|----------|-------|---------|----------|-------|---------|
| Colours | White, brown & clear | | | | | | | | | | | | | | | |
| Form | Soft gunnable paste | | | | | | | | | | | | | | | |
| Specific Gravity | 1.01 approx. | | | | | | | | | | | | | | | |
| Composition | Neutral cure silicone | | | | | | | | | | | | | | | |
| Product Codes | <table border="0"> <tr> <td>30812738</td> <td>White</td> <td>C20 x 12</td> </tr> <tr> <td>30812737</td> <td>Brown</td> <td>C20 x 12</td> </tr> <tr> <td>30812747</td> <td>Clear</td> <td>C20 x 12</td> </tr> <tr> <td>30814533</td> <td>White</td> <td>C20 x 6</td> </tr> <tr> <td>30814534</td> <td>Brown</td> <td>C20 x 6</td> </tr> </table> | 30812738 | White | C20 x 12 | 30812737 | Brown | C20 x 12 | 30812747 | Clear | C20 x 12 | 30814533 | White | C20 x 6 | 30814534 | Brown | C20 x 6 |
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| 30812747 | Clear | C20 x 12 | | | | | | | | | | | | | | |
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| | 30814535 Clear C20 x 6 |
| Storage/Shelf Life | Store for up to 24 months from the date of manufacture when stored in original, unopened packaging under cool, dry conditions within the temperature range +5°C to +25°C and out of direct sunlight. Protect from frost. |

TYPICAL PERFORMANCE DATA (Approx.)

| | |
|----------------------------|---|
| Application Temperature | +5°C to +40°C |
| Service Temperature | -60°C to +180°C |
| Coverage | Approx. 10 linear metres of 6mm diameter bead per C20 cartridge. |
| Drying Times | <p>Skin Formation: 10 to 20 minutes, dependent on bead width, temperature and humidity.</p> <p>Through Dry: Approx. 2 - 3mm per 24 hours dependent on bead width, temperature and humidity</p> <p>Always tool sealant within 10 minutes of application.</p> |
| Shore (A) Hardness | 18 |
| Tensile Strength | 0.5 MPa |
| Modulus at 100% Elongation | 0.34 MPa |
| Elongation at Break | >250% |
| Slump Resistance | Excellent, suitable for joints up to 25mm wide |

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| Minimum Joint Size | 6mm x 6mm |
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DIRECTIONS FOR USE

IMPORTANT: Before using EVO-STIK Trade Only Frame Silicone Sealant refer to the relevant Health & Safety Data Sheet, available at www.bostik.co.uk.

PREPARATION

1. Work in warm but well ventilated conditions.
2. Joint surfaces must be clean, dry, sound and free from dust and other contaminants that may impair adhesion.
3. Oil and grease should be removed from non-porous substrates using a suitable cleaner. In order to provide a firm base on which to extrude the sealant and also to ensure that suitable depth of sealant is maintained, moving joints should be backed with polyethylene foam backing strip.

APPLICATION

4. Unscrew the nozzle, and using a sharp knife, carefully cut off the dome of the cartridge, taking care not to damage the thread. Screw the nozzle onto the cartridge.
5. Cut off the tapered end of the nozzle at a 45° angle, to a width matching the gap to be sealed.
6. Fit the cartridge into the cartridge gun by pressing the release plate and pulling out the plunger. Insert cartridge and repeatedly squeeze the trigger until the sealant appears.
7. Place the nozzle at the start of the gap, and gently squeeze the trigger. Push forward slowly, ensuring that contact is made by the sealant with both sides of the gap. At the end of the run, release the trigger and press the plunger release plate of the gun.
8. Sealant must be gunned firmly into the joints to ensure good adhesion to the joint surfaces.
9. Smooth the sealant with a wet, round ended tool within 10 minutes (do not use a wetted finger), remove any excess with a cloth moistened with white spirit.
10. The sealant skins over rapidly (approx. 10 to 20 minutes) and is fully cured within 24 hours depending on bead width, temperature and humidity.

CLEANING

Uncured Sealant:

11. The excess uncured sealant should be removed carefully using a soft scraper. The remainder can be removed using a cloth just moistened with white spirit. Repeat using another clean cloth moistened with white spirit.

Cured Sealant:

12. There is no adequate solvent; carefully cut away excess with a very sharp knife. Do not use solvent to remove product from skin – use soap and water.

PRECAUTIONS IN USE

EVO-STIK Trade Only Frame Silicone Sealant cannot be applied to surfaces which have frost or ice on them. Not suitable for use in movement joints in floors, due to abrasion by traffic. Do not use on or against bitumen. Not suitable for bedding double glazed/insulating glass units into frames. EVO-STIK Trade Only Frame Silicone Sealant cannot be overpainted.

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 Trade Only Frame Silicone Sealant, available at www.bostik.co.uk.

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



**CONSTRUCTION PRODUCT REGULATION
DECLARATION OF PERFORMANCE**

Product Description: **EVO-STIK Trade Only Frame Silicone Sealant**
 Product Code: **5010591999923, 5000403101071, 5010591999916**
 Intended Use: **Facade Sealant**
 Manufacturer: **Bostik Ltd**
 Contact Address: **Common Road
Stafford
ST16 3EH**
 System of Assessment: **System 3**
 Harmonised Standard: **BS EN 15651-1:2012**
 Notified Body: **0074**

Declared Performance:

| Essential Characteristics | Performance | Harmonised technical specification |
|---------------------------|-------------|------------------------------------|
| Reaction to Fire | F | |
| Release of Chemicals | None | See Safety Data Sheet |

Water Tightness & Air Tightness as determined by:

| | | |
|--|------------|---------------------------|
| Resistance to Flow | NPD | BS EN 15651-1:2012 |
| Loss of Volume | NPD | |
| Tensile properties at maintained extension after immersion in water at 23°C* | NF | |
| Microbiological Growth | NPD | |
| Durability | NPD | |

***Conditioning method A, tested on Aluminium Substrate, no primer**

The performance of the EVO-STIK Trade Only Frame Silicone Sealant, 5010591999923, 5000403101071, 5010591999916 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: June 2014

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| Safety Data Sheets | Tel: 01785 272625 | Fax: 01785 212962 | sds.box-eu@bostik.com |