



EVO-STIK Lead & Gutter Silicone Sealant

NEUTRAL CURE SILICONE SEALANT

Date: 14 January 2020

Fact Sheet No.: TDS02022

YOUR SMART ADVANTAGES

- Ideal for sealing and pointing lead flashing and overlaps in rigid sheet roofing
- High movement accommodation
- Excellent weatherproofing capabilities

USES

EVO-STIK Trade Only Lead and Gutter Silicone Sealant is a low modulus neutral cure sealant, based on silicone polymers, which on exposure to air, will react with moisture to form a tough, elastic rubber with the ability to accommodate high movement.

EVO-STIK Trade Only Lead and Gutter Silicone Sealant bonds to most building substrates without a primer including lead, anodised and mill finish metals, painted steel, cast iron, brick, tile, timber and most plastics including PVCu.

EVO-STIK Trade Only Lead and Gutter Silicone Sealant is ideal for use in exterior high movement joints which are exposed to the extremes of weather e.g. sealing and pointing lead flashing, sealing joints in gutters and down-pipes, sealing overlaps in rigid sheet roofing.

It is also suitable for high movement joints in building applications e.g. between blockwork, brick, concrete and masonry, and can also be used for perimeter sealing of PVCu, aluminium and hardwood frames. It has a good adhesion to painted wood, ceramic, enamel and stainless steel and many plastics. It is water, weather and UV resistant.

PRODUCT CHARACTERISTICS

Colours	Grey
Form	Soft gunnable paste
Specific Gravity	1.00 g/ml

Shore (A) hardness	15
Composition	Neutral cure silicone
Product Codes	30613352 Grey C20 x 12 30613467 Grey C20 x 6
Storage/Shelf Life	Store for up to 12 months from production date 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.)

100% modulus	0.30N/mm ²
Application rate	300g/min using a 3mm diameter bead and 6.3 bar.
Application Temperature	+5°C to +40°C
Coverage	Approx. 10 linear metres of 6mm diameter bead per C20 cartridge
Drying Times	Skin Formation: Approx. 30 to 40 minutes, dependent on bead width, temperature and humidity. Through Dry: 2-3mm per 24 hours at 23°C/50% RH dependent on temperature and humidity. Always tool sealant within 9 minutes of application.
Service Life	Up to 25 years when used as recommended.
Elongation at break	300%

Flow	<2mm
Movement Accommodation	25% of the joint width
Slump Resistance	Excellent, suitable for joints up to 25mm wide
Service Temperature	-40°C + 120°C
Tensile strength	0.40 N/mm ²

DIRECTIONS FOR USE

IMPORTANT: Before using EVO-STIK Lead & Gutter Silicone Sealant, refer to the relevant Health & Safety Data Sheet, available at www.evo-stik.co.uk named as the code above.

PREPARATION

1. Joint surfaces must be clean, dry, sound and free from dust and other contaminants that may impair adhesion.
2. 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 ensure that suitable depth of sealant is maintained, moving joints should be backed with polyethylene foam backing strip.

APPLICATION

3. 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.
4. Cut off the tapered end of the nozzle at a 45° angle, to a width matching the gap to be sealed.
5. 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.
6. 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.
7. The Joint depth should always be in the correct relationship of the joint width.

$$\text{Joint Depth} = \frac{(\text{Width}(\text{mm}))}{3} + 6\text{mm}.$$

8. The sealant cures over rapidly (approx. 2mm per 24 hours) depending on temperature and humidity.
9. Smooth the sealant with a wet, round ended tool within 9 minutes (do not use a wetted finger), remove any excess with a cloth moistened with white spirit and then remove the masking tape (if used) from either side of the bead.

CLEANING

Uncured Sealant:

10. 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:

11. 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

Do not apply EVO-STIK Lead & Gutter Silicone Sealant to frost contaminated surfaces. Not to be used in situations where abrasion from pedestrian or vehicular traffic may be encountered. Do not use in submerged joints in porous substrates that may permit water to reach the bond interface. Do not use on or against bitumen. Not suitable for bedding double glazed/insulating glass units in to frames. Cannot be overpainted.

Not suitable for PE, PP, PTFE, Soft plastics, neoprene and bituminous substrates. Discoloration can occur in dark places and by contact with chemicals.

For any application not covered please contact Technical Services on +44 (0) 1785 272625 or visit 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 instruction, first aid measures and spillage and disposal instructions, see separate Health and Safety Data Sheet for EVO-STIK Lead & Gutter Silicone Sealant available at www.bostik.com/uk.

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



**CONSTRUCTION PRODUCT REGULATION
DECLARATION OF PERFORMANCE
TDS002028**

Product Description: **EVO-STIK Lead & Gutter Silicone Sealant**
 Product Code: **5000403102702**
 Intended Use: **Façade Sealant**
 Manufacturer: **Bostik Ltd**
 Contact Address: **Common Road
Stafford
ST16 3EH**

System of Assessment: **System 3**

Harmonised Standard: **EN 15651-1:2012: F-EXT-INT-CC (CLASS 25LM)**

Notified Body: **1213**

Declared Performance:

Conditioning Substrate: Procedure B (according to ISO 8340)
 Mortar M2 (without primer)
 Glass (without primer)
 Anodised aluminum (without primer)

Essential Characteristics	Performance	Harmonised technical specification
Reaction to Fire	E	EN 15651-1:2012
Release of chemicals dangerous to the environment and health	NPD(*)	
Water tightness & air tightness as determined by:		
Resistance to flow	≤3mm	EN 15651-1:2012
Loss of Volume	≤ 10%	
Tensile properties at maintained extension after water immersion	NF	
Tensile properties (secant modulus) for use in cold climate areas (-30°C)	≤ 0.9 MPa	
Tensile properties at maintained extension for use in cold climate areas (-30°C)	NF	
Durability	Pass	

*** See material safety data sheet**

The performance of the EVO-STIK Lead & Gutter Silicone Sealant 5000403102702 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: Adrian Snewin

Function: S.H.E.Q. Systems & Compliance Manager

Signature: 

Date: November 2018

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Sales	Tel: 0844 371 1192	Fax: 01785 241818	customer.service@bostik.com
Technical Advice	Tel: 0844 371 1197	Fax: 01785 272867	technical.service@bostik.com
Safety Data Sheets	Tel: 01785 272625	Fax: 01785 212962	sds.box-eu@bostik.com