



# EVO-STIK Building Silicone Sealant

## ALKOXY SILICONE SEALANT

Date: 20 July 2018

Fact Sheet No.: TDS00102

### YOUR SMART ADVANTAGES

- Gives a permanently elastic, highly durable waterproof sealant.
- Excellent resistance to natural weathering and UV light.
- Gives excellent adhesion to most common building substrates, including porous surfaces, without the need for priming.

### USES

EVO-STIK Trade Only Building Silicone Sealant is a one part, low modulus, 'neutral' cure sealant which cures by moisture reaction to give a permanently elastic, highly durable waterproof sealant. The cured sealant has excellent resistance to natural weathering and UV light. EVO-STIK Trade Only Building Silicone Sealant is suitable for sealing expansion joints in concrete structures and movement joints between both lightweight and heavyweight cladding panels. Use for sealing profiled sheeting. 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 PVCu.

### PRODUCT CHARACTERISTICS

Colour	Black, brown, white, grey & clear		
Form	Soft gunnable paste		
Specific Gravity	0.99 approx.		
Composition	Moisture-curing alkoxy silicone		
Product Code	30812733	Black	C20 x 12
	30812734	Brown	C20 x 12
	30812736	White	C20 x 12

30812735	Grey	C20 x 12
30812750	Clear	C20 x 12
30814530	Black	C20 x 6
30814531	Brown	C20 x 6
30814528	White	C20 x 6
30814529	Grey	C20 x 6
30814532	Clear	C20 x 6

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 of +5°C to +25°C and out of direct sunlight. Protect from frost.
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### 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. 8.5 linear metres using 6mm square joint (channel). 8.5 linear metres using 12mm fillet bead (face width).
Drying Times	Skin Formation: 10 to 20 minutes, dependent on bead width, temperature and humidity. Through Dry: Approx. 2 - 3mm per 24 hours dependent on bead width, temperature and humidity. Always tool sealant within 10 minutes of application.

Shore (A) Hardness	13
Tensile Strength	0.4 MPa
Modulus at 100% Elongation	0.23 MPa
Elongation at Break	>250%
Slump Resistance	Excellent, suitable for joints up to 25mm wide
Movement Accommodation	±25% of the joint width. Minimum joint size 6mm by 6mm

#### DIRECTIONS FOR USE

IMPORTANT: Before using EVO-STIK Trade Only Building Silicone Sealant refer to the relevant Health & Safety Data Sheet, available at [www.bostik.co.uk](http://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, loose material and other contaminants that may impair adhesion.

#### 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. Sealant must be gunned firmly into the joints to ensure good adhesion to the joint surfaces.
8. 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.
9. The depth of channel or rectangular joints should be between 50 to 100% of the width of the joint.
10. Joints deeper than this should be backed with a foam strip, it is important that the sealant does not bond to this backing strip.
11. When using EVO-STIK Trade Only Building Silicone Sealant for fillet pointing, face width should be a minimum 10mm with a minimum depth of 6mm.

12. The sealant skins over rapidly (approx. 10 to 20 minutes) and is fully cured within 24 depending on bead width, temperature and humidity.

#### CLEANING

##### Uncured Sealant:

13. 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:

14. 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 Building Silicone Sealant cannot be applied to surfaces which have frost or ice on them. Not to be used in situations where abrasion from pedestrian or vehicular traffic may be encountered. Do not use in joints which are permanently submerged in water. Do not allow the sealant to come into contact with bitumen, which may induce plasticiser migration. Should not be painted as the adhesion of the paint will be poor, leading to flaking. Do not apply to granite, natural stone or marble due to the risk of edge staining. Do not use in conjunction with secondary sealants as plasticiser migration may occur. Not suitable for bedding double glazed/insulating glass units into frames.

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 Trade Only Building Silicone Sealant, available at [www.bostik.co.uk](http://www.bostik.co.uk).

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



**CONSTRUCTION PRODUCT REGULATION  
DECLARATION OF PERFORMANCE**

Product Description: **EVO-STIK Trade Only Building Silicone Sealant (black, brown, white, grey & clear)**

Product Code: **5010591999794, 5010591999787, 5010591999770, 5010591999800, 5000403111704**

Intended Use: **Façade & Glazing Sealant**

Manufacturer: **Bostik Ltd**

Contact Address: **Common Road  
Stafford  
ST16 3EH**

System of Assessment: **System 3**

Harmonised Standard: **BS EN 15651-1,2:2012**

Notified Body: **0074**

Declared Performance:

Essential Characteristics	Performance	Harmonised technical specification
Reaction to Fire	<b>F</b>	<b>BS EN 15651-1:2012</b>
Release of Chemicals	<b>None</b>	<b>See Safety Data Sheet</b>

Water Tightness & Air Tightness as determined by:

Resistance to Flow	<b>≤3mm</b>	<b>BS EN 15651-1,2:2012</b>
Loss of Volume	<b>NPD</b>	<b>BS EN 15651-1,2:2012</b>
Adhesion/cohesion properties after exposure to heat water and artificial light	<b>NPD</b>	<b>BS EN 15651-2:2012</b>
Elastic recovery	<b>NPD</b>	<b>BS EN 15651-2:2012</b>
Tensile properties at maintained extension after immersion in water at 23°C*	<b>NF</b>	<b>BS EN 15651-1:2012</b>
Durability	<b>NPD</b>	<b>BS EN 15651-1,2:2012</b>

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

The performance of the EVO-STIK Trade Only Building Silicone Sealant, 5010591999794, 5010591999787, 5010591999770, 5010591999800, 5000403111704 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:** January 2017

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