



# EVO-STIK Frame Silicone Sealant

## NEUTRAL CURE SILICONE SEALANT

Date: 14 January 2020

Fact Sheet No.: TDS02024

### YOUR SMART ADVANTAGES

- Suitable for all types of frames including aluminium, hardwood and uPVC
- High movement accommodation
- Excellent weatherproofing capabilities

### USES

EVO-STIK Trade Only Frame Silicone Sealant is a one part, low modulus, neutral cure sealant which cures by moisture reaction to give a high movement, highly durable weather resistant seal. It has excellent resistance to UV, water and weather.

EVO-STIK Trade Only Frame Silicone Sealant is used in properly designed exterior high movement joints, especially around door and window frames and glazing applications.

Non-corrosive towards metal Suitable for high movement joints in building applications, e.g. between blockwork, brick, concrete and masonry.

Suitable for all types of frames including aluminum, hardwood and PVCu. Good adhesion to glass, painted wood, ceramic, enamel and stainless steel and many plastics.

### PRODUCT CHARACTERISTICS

Colours	White, Clear and Brown
Form	Soft gunnable paste
Specific Gravity	1.00 g/ml
Shore (A) hardness	15
Composition	Neutral cure silicone

Product Codes	30613351	White	C20 x 12
	30613637	Clear	C20 x 12
	30613611	Brown	C20 x 12
	30613565	White	C20 x 6
	30613612	Brown	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.
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### TYPICAL PERFORMANCE DATA (Approx.)

100% modulus	0.30N/mm <sup>2</sup>
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	<p>Skin Formation:</p> <p>9 minutes at +23°C/55% RH, dependent on temperature and humidity.</p> <p>Through dry:</p> <p>Approx. 2mm per 24 hours at +23°C/55% RH dependent on temperature and humidity.</p> <p>Always tool sealant within 9 minutes of application.</p>
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 <sup>2</sup>

#### DIRECTIONS FOR USE

IMPORTANT: Before using EVO-STIK Trade Only Frame Sealant, refer to the relevant Health & Safety Data Sheet, available at [www.evo-stik.co.uk](http://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.

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

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 Trade Only Frame 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. Cannot be overpainted.

Not suitable for bedding double glazed/insulating glass units into frames. Compatibility of the edge seals of insulation glass with glazing sealants cannot be guaranteed by the supplier of the sealant, as the composition of the edge seals can be changed by the producer without notice.

Any advice on the compatibility of glazing sealants to the edge seals of insulation glass is based on experience and therefore not guaranteed.

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.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 Frame 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  
TDS002024**

Product Description: **EVO-STIK Trade Only Frame Sealant**

Product Code: **5010591999923, 5000403101071, 5010591999916**

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)  
EN 15651-2: G-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	<b>E</b>	<b>EN 15651-1:2012</b>
Release of chemicals dangerous to the environment and health	<b>NPD(*)</b>	
Water tightness & air tightness as determined by:		
Resistance to flow	<b>≤3mm</b>	<b>EN 15651-1:2012</b>
Loss of Volume	<b>≤ 10%</b>	
Tensile properties at maintained extension after water immersion	<b>NF</b>	
Tensile properties (secant modulus) for use in cold climate areas (-30°C)	<b>≤ 0.9 MPa</b>	
Tensile properties at maintained extension for use in cold climate areas (-30°C)	<b>NF</b>	
Durability	<b>Pass</b>	

Essential Characteristics	Performance	Harmonised technical specification
Reaction to Fire	<b>Class E</b>	<b>EN 15651-2:2012</b>
Release of chemicals dangerous to the environment and health	<b>NPD(*)</b>	
Water tightness & air tightness as determined by:		
Loss of Volume	<b>≤ 10%</b>	<b>EN 15651-2:2012</b>
Vertical flow resistance	<b>≤3mm</b>	
Adhesion/cohesion properties after exposure to heat, water and artificial light.	<b>NF</b>	
Elastic Recovery	<b>≥60%</b>	
Tensile properties (secant modulus) for use in cold climate areas (-30°C)	<b>≤ 0.9 MPa</b>	
Tensile properties at maintained extension for use in cold climate areas (-30°C)	<b>NF</b>	
Durability	<b>Pass</b>	

**\* See material safety data sheet**

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:** Adrian Snewin

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

**Signature:** 

**Date:** November 2018

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