

Date: 22 December 2011

Information Sheet No.: TDS00044/4

EVO-STIK TRADE LEAD & GUTTER SILICONE NEUTRAL CURE SILICONE SEALANT

Evo-Stik Trade Lead and Gutter Silicone is a low modulus neutral cure silicone 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 Lead and Gutter Silicone bonds to most building substrates without a primer e.g. lead, anodised and mill finished metals, painted steel, cast iron, brick, tile, slate, timber and most plastics including PVCu. Before using this product refer to the relevant Health & Safety Data Sheet.

Uses

- 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
- Suitable for high movement joints in building applications e.g. between blockwork, brick, concrete and masonry
- For perimeter sealing of PVCu, aluminium and hardwood frames

Product Characteristics

Colour	Grey
Form	Thixotropic paste
Specific Gravity	1.01 at 23°C and 50% relative humidity
Composition	Moisture-curing silicone
Product Code	483569 Grey C20 X12
Shelf life/storage	One year from date of manufacture when stored unopened in a cool, dry place within the temperature range +5°C to +25°C and out of direct sunlight. PROTECT FROM FROST.

Typical Performance Data (approx.)

Curing Time	Approx. 2-3 mm per 24 hours at 23°C and 50% relative humidity
Skinning Time	10-20 minutes dependent upon ambient conditions. Always tool sealant within 5 minutes of application

Application

Temperature	+5°C to +40°C
Service Temperature	-60°C to +180°C
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

25 mm wide

Movement

Accommodation: + or - 25% of the joint width. Min joint size should be 6 mm by 6 mm.

Life Expectancy

When used and applied as recommended the sealant will perform in excess of 25 years

Coverage

10 linear metres of 6mm diameter

bead per C20 cartridge

Directions for use

IMPORTANT

Before using Evo-Stik Trade Lead and Gutter Silicone refer to the relevant Health & Safety Data Sheet.

Available at www.bostik.co.uk named as the code above.

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Preparation

1. Joint surfaces must be clean, dry, sound and free from dust, oil, grease 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 to ensure that suitable depth of sealant is maintained, moving joints should be backed with polyethylene foam backing strip.
3. Do not apply sealant to frost contaminated surfaces.

Application

1. Unscrew the nozzle, and using a sharp knife, cut off the dome of the cartridge, taking care not to damage the thread. Screw the nozzle on to the cartridge.
2. Cut off the tapered end of the nozzle at a 45 degree angle, to a width matching the gap to be sealed.
3. 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.
4. Place the nozzle at the start of the gap, and gently squeeze the trigger. Push forward slowly ensuring good surface contact by forcing sealant into the joint to be sealed. At the end of the run, release the trigger and press the plunger release plate of the gun.
5. Smooth the sealant with a wet, round ended tool within 3-5 minutes (do not use a wetted finger),

remove any excess with a cloth moistened with white spirit.

6. The sealant skins over rapidly (approx 20 minutes) and is fully cured in approximately 24 hours depending on bead width, temperature and humidity.

Cleaning frames

1. Uncured sealant
The bulk 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.
2. Cured sealant
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 Lead and Gutter Silicone 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 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 into frames. Cannot be over-painted.

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Health and Safety Data sheet for Evo-Stik Trade Lead and Gutter Silicone.

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