



Technical Data Sheet

08/08/2011



Quality
ISO 9001

ROOF & GUTTER PREMIUM SILICONE

DESCRIPTION

Bostik Roof & Gutter Silicone is one component premium silicone mid modulus, neutral cure, providing excellent adhesion to many common substrates. Bostik Roof & Gutter Silicone is designed to meet New Zealand conditions.

Recommended Uses

- Plumbing applications
 - Metal roofing systems
 - Metal water tanks
 - Spouting / flashing and down-pipes
 - Lap joints in Zinalume, Colourbond and other decorative sheet-metal
 - Skylights and Metal & PVC flues / extraction units.
 - Pipe or sprinkler system penetrations
 - Air conditioning ducting and sheet-metal fabrications
 - General purpose adhesive and sealant for building materials such as steel, aluminium, concrete, brick and glass.
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FEATURES AND BENEFITS

- Excellent adhesion properties.
 - Permanently flexible
 - Joint Movement $\pm 25\%$
 - Suitable for interior and exterior applications
 - Unaffected by rain, snow, extreme temperature change.
 - Ultra violet resistant.
 - Translucent & Grey.
 - Weather Proofing
 - 25+ year life expectancy
 - Stable shelf life
 - Available in Translucent & Grey only
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PROPERTIES

Wellington Site (Factory & Admin)
Auckland Site

19 Eastern Hutt Road, Wingate, Lower Hutt
148 Pavilion Drive, Airpark II, Auckland Airport

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This datasheet is for the general help of users. It is provided in good faith. The data is current and accurate to the best of our knowledge. Differing materials, substrates, environments, site conditions, and product storage, handling and application may affect results. Users should carry out tests to decide the product's suitability for purpose. This data sheet and the properties of the product may change without notice. Users, suppliers and retailers should check that the data sheets they have are the latest. To the maximum extent permitted by law, Bostik disclaims all warranties in relation to manufacture and use of the product. Bostik is not liable for representations made by users, suppliers or retailers about the product. Bostik is not liable for any loss or damage resulting from incorrect, careless, or negligent use or storage of the product, including use of out of date product. Any liability arising from use of the product is limited to the replacement or purchase price of the product. Bostik does not exclude rights and remedies that cannot be excluded by legislation, for example under the Consumer Guarantees Act 1993. Sale of the product by Bostik is subject to the Bostik New Zealand Limited Conditions and Terms of Sale. For more information on Bostik, products, and conditions of use and sale visit www.bostik.co.nz

Typical properties after 7 days cure at 25°C and 50% RH.

COLOUR	Various colours
Tooling / Skin Time @ 20°C	5 Minutes approx.
Tack Free Time @ 20°C (ASTM C-679)	55 minutes approx.
Cure Time (To 10mm depth @ 23°C & 50% RH)	5-7 days
Application Range	+10°C to + 40°C
Performance Range	- 50°C to +170°C
Hardness Shore A (ASTM D-2440)	Approx 20
Tensile Strength (ASTM D-412)	1.5 MPa
Sag, Slump	Zero up to 30 mm joints
Specific Gravity	1.04
Cure Method	Neutral
UV and ozone resistance	Excellent
Joint Movement	+/- 25%

COVERAGE

Approximately 16 lineal metres per 300ml cartridge based on an average joint size of 6 mm depth and 3 mm width.

PREPARATION

Surfaces to be sealed must be clean, dry and free of wax, grease or any loose of flaking materials. Use the two-wipe process for impervious substrates. Ensure the cloths are clean and changed frequently, and use a suitable cleaner/solvent such as ZBond® R-40, IPA or 100% White Spirits. To achieve satisfactory adhesion a primer may be required for some substrates. Consult Bostik for more information.

LIMITATIONS

Bostik Roof & Gutter is ***NOT*** suitable for use in the following applications:-

Potable water applications, e.g water collection off a roof.

Totally confined spaces as the sealant requires atmospheric humidity to cure, it will not cure where it does not have access to atmospheric humidity.

Aquariums

Adhering Mirrors (Bostik V60 is used - test first)

Structural Glazing

Under Water Applications (including swimming pools subject to substrate). Refer to Bostik for these applications.

Below Grade Applications

All Stone (We recommend the completion of a stain testing program before using any sealant on stone) Bostik 5CLM is recommended for marble, granite (after stain test).

Horizontal walkways and trafficable areas

Polycarbonate sheeting

Sealant may discolour copper & brass.

Do not clean or treat the sealant with materials, cleaning agents or solvents that may affect or discolour the sealant, particularly during product curing.

This silicone is not paintable.

If there is a requirement to paint the sealant, use Paintable silicone sealant or Bostik Fill-A-Gap acrylic sealant products. Refer to Technical Data Sheet of product for appropriate application and follow both the sealant and paint manufacturers painting instructions carefully, when painting these sealants.

TIP

For granite, marble or porous masonry and stone materials, Bostik Plumb Seal (non Silicone) can be used. Always test product in a small inconspicuous area before using. Plumb Seal is also paintable.

APPLICATION

Complete all painting before applying silicone. Use masking tape each side of joint to simplify clean up, to protect surfaces and to ensure a neat job.

Use a closed cell polyethylene-backing rod 25% larger than the joint width, to control the depth of the joint where required.

Cut nozzle at 45°-angle to desired thickness. Cut opening on cartridge and fix nozzle. Insert cartridge into caulking gun. Hold gun at 45° angle with nozzle in contact with both sides of joint. Apply by pushing sealant ahead of nozzle, thus ensuring sealant is pushed firmly into place.

Tool off / smooth before skin forms (within 5 minutes). Remove excess sealant immediately with a cloth dampened with mineral turpentine.

If used, remove masking tape before skinning has started.

(Cured sealant can be removed by trimming with a sharp blade).

After use, cured plug will form in cartridge nozzle, before re-using remove plug and extrude sealant.

Entire cartridge contents should be used within 12 months.

NOTE:

Silicones are not always compatible with plasticised sealants, such as butyls. Also some backing rods and tapes contain bitumen or other agents that are incompatible with the silicone.

The incompatibility may cause discolouration, poor sealant cure or long term degradation of the sealant. Always carry out compatibility tests where contact with potentially incompatible materials occurs.

NOTE

Oxime silicone sealant will tend to display a slight colour shift with age.

Chemical exposure to certain agents such as chlorinated cleaning solutions (ie, bleach), chemical solvents, and the fumes of some paints (enamel or solvent – containing types where not fully dried) may tend to magnify this yellowing change particularly where the sealant is still curing.

HEALTH AND SAFETY

CAUTION

Full product safety information required for safe use is not included in this data sheet. Before handling, read the separate Material Safety Data Sheet (MSDS) and packaging for safe use. Always read the Technical Data Sheet and Material Safety Data Sheet (MSDS) before opening or using.

In case of product emergency refer to product labeling or MSDS and contact phone numbers. A copy of the product MSDS is available from Bostik or its distributors.

FIRST AID

If poisoning occurs, contact a Doctor or **Poisons Information Centre 0800 764 766** or **0800 CHEMCALL** or **0800 243 622**

SEE THE MATERIAL SAFETY DATA SHEET FOR ADDITIONAL INFORMATION.

STORAGE

Always store the sealant in a cool dry place. Ideal storage temperature is not more than 25°C. Prolong ed storage at high temperatures may affect shelf life and ultimate performance. The shelf life of Bostik Roof & Gutter is 12 months from date of manufacture when stored below 25°C and below 50% relative humidity, in unopened cartridge

PRODUCT INFORMATION

BOSTIK ROOF & GUTTER SILICONE			
ITEM NO.	STOCK SIZE	COLOUR	PACK SIZE
241008	300g cartridge	Trans	20
240990	300g cartridge	White	20
241016	300g cartridge	Grey	20

PACKAGING

300g cartridges and 615g sausages

VERSION

VERSION 5 6th October 2011