



Roof & Gutter

PREMIUM SILICONE

DESCRIPTION

Bostik Roof & Gutter Premium (100%) silicone is a one component, mid modulus, neutral curing silicone which provides excellent adhesion to many common substrates.

Classifications/Standards

Translucent and Grey are suitable for drinking water applications (AS/NZS4020-2005) Bostik Australia retested 2010 and approved by AWQC.

FEATURES AND BENEFITS

- Excellent adhesion properties
- Stays permanently flexible
- Joint Movement capabilities \pm 25%
- Suitable for interior and exterior applications
- Unaffected by rain, snow, extreme temperature change
- Ultra violet resistant
- Suitable for water potable applications
- Translucent & Grey tested to AS/NZS 4020
- Weather Proofing
- Excellent shelf life

RECOMMENDED USES

- Plumbing Roofing applications
- Metal roofing systems
- Metal water tanks
- Spouting/flashing and downpipes
- Lap joints in Zinalume, Colorbond and other decorative sheet metal
- Skylights and metal and PVC flues and 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, glass, concrete, brick, Ceramic, Terracotta roof tiles.

APPLICATION PREPARATION

Surface Preparation

Surfaces to be sealed must be clean, dry and free of wax, grease, cutting oils or any loose or 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 100% White Spirits.



To achieve satisfactory adhesion a primer may be required for some substrates. Consult Bostik for more information.

Application

- 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 or Zbond® R-40. If used, remove masking tape before skinning has started. (Cured sealant can be removed by trimming with a sharp blade).
- The incompatibility of some substrates may cause discolouration of sealant, poor sealant adhesion or long term degradation of the sealant. Always carry out compatibility tests where contact with potentially incompatible materials occurs.

LIMITATIONS

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

- 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 can be used - test first)
- Structural Glazing (Bostik V70 – refer to Bostik guide lines first).
- Composite panels- (Bostik recommends Bostik 5CLM- subject to test first)
- 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.

NOTE:

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

If there is a requirement to paint the sealant, use Bostik 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.

COVERAGE

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

SETTING TIME

Sealant will skin over within 5 minutes (subject to humidity in air – lower the humidity longer time to skin over and cure, high humidity shorter skin and cure time).

IMPORTANT NOTES

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.

PROPERTIES

Colours	Various colours	Hardness Shore A (ASTM D-2440)	20
Tooling / Skin Time	5 Minutes approx.	Tensile Strength (ASTM D-412)	1.5 MPa
Tack Free Time @ 20°C (ASTM C-679)	30 minutes approx.	Sag, Slump	0
Cure Time (To 10mm depth @ 23°C & 50% RH)	5-7 days	Specific Gravity	1.03
Application Range	+10°C to +40°C	Cure Method	Neutral-Oxime
Performance Range	-50°C to +170°C		

STORAGE & SHELF LIFE

Store between 5°C-25°C in a dry, ventilated area, out of direct sunlight.

The shelf life of Bostik Roof & Gutter is 18 months from date of manufacture when stored in recommended conditions.

PACKAGING

300ml cartridges and 600ml foil sausages

SAFETY PRECAUTIONS

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 this product.

In case of product emergency refer to product labelling 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 (Phone Australia 131 126; New Zealand 0800 764 766)

DISCLAIMER:

The information in this Technical Data Sheet is intended for the assistance of users and is of a general nature. It reflects the extent of our knowledge and experience of our products and is based on tests which we believe to be reliable. However, no guarantee of accuracy can be given due to the wide range of surfaces, environmental and field conditions and variations encountered in raw materials, manufacturing equipment and methods at the place where the work is performed. Some of these will be beyond our knowledge and control. Users are asked to make sure that the TDS in their possession is the latest issue. Likewise, we recommend users carry out their own tests to determine the suitability of the product for their particular purposes.

Any claim for a defective product must be filed within 30 days of discovery of a problem and must be submitted with written proof of purchase. Claims are not transferrable or assignable and extend only to the original purchaser/user. Bostik reserves the right to inspect alleged failure and no responsibility will be accepted unless Bostik is given the opportunity to do so. Bostik limits its liability to the replacement of the product/s proven faulty.

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