



technical data sheet

BOSTIK ROOF & GUTTER SILICONE

DESCRIPTION

Bostik Roof & Gutter Silicone is a premium silicone is a high modulus, neutral cure, providing excellent adhesion and offers primerless adhesion to many common construction materials including concrete, aluminium, steel and plastics.

Bostik Roof & Gutter Silicone designed to meet Australian conditions, is ultra violet resistant, permanently flexible and is suitable for water potable applications.

RECOMMENDED USES

- Metal roofing systems
- Metal water tanks
- Flashing and down-pipes
- Lap joints in Zinalume, Colourbond and other BHP decorative sheet-metal.
- Skylights 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, aluminum, concrete, and brick.

FEATURES & BENEFITS

- Excellent general purpose sealant and adhesive.
- Permanently flexible $\pm 25\%$
- Suitable for interior and exterior applications
- Unaffected by rain, snow, extreme temperature change and constant ultra violet exposure
- Waterproof
- Excellent adhesion properties
- 20+ year life expectancy
- Stable shelf life
- Water potable complies to AS-NZS 4020-1999

PERFORMANCE PROPERTIES

COLOUR	Translucent, Grey, Black & White
Tooling / Skin Time @ 20°C	5 Minutes approx.
Tack Free Time @ °C 20	6 minutes approx.
Cure Time (To 10mm depth @ 23°C & 50% RH)	5-7 days
Application Range	10°C to +60°C
Performance Range	-62°C to +177°C
Hardness Shore A (ASTM D-2440)	27
Tensile Strength (ASTM D-412)	260 psi (18 Kg/cm ²)
Sag, Slump	0
Specific Gravity	1.04
Cure Method	Neutral
UV and ozone resistance	Excellent
Joint Movement	+/- 25%

PACKAGING

300ml cartridges

COVERAGE

Approximately 13 lineal metres per 300ml cartridge based on an average joint size of 5mm depth and 5mm width.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

Surfaces to be sealed must be clean, dry and free of wax, grease or any loose or flaking paint.

APPLICATION

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

Insert a sealant support material such as polyurethane foam into deep joints or gaps to ensure sealant depth is no greater than 10 mm.

Cut nozzle at 45°C angle to desired thickness. Cut diaphragm on cartridge. 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 immediately sealant tooling is complete.

Cured sealant can be removed by trimming with a sharp blade but avoid under cutting seal.

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

Entire cartridge contents should be used within 18 months.

PRECAUTIONS

Not recommended for:-

- Use in horizontal walkways exposed to high abrasion (pedestrian traffic)
- In totally confined areas or below ground or in expansion joints that will encounter continuous water immersion.
- Not to be used for structural glazing.
- **Not paintable.**
- Not to be used on extruded type polycarbonates or polyacrylates if they are under tension as stress cracking may occur
- Not recommended for below water line applications such as fish ponds or swimming pools.

- Do not apply to wet surfaces.
- Not recommended for marble, granite or stone
- Do not use in chlorinated water such as swimming pools, spas etc

TIP

For granite, marble or porous masonry and stone materials, Bostik Plumb Seal is recommended. Plumb Seal is also paintable.

IT IS IMPORTANT TO NOTE

Oxime silicone sealant will tend to display a slight colour shift with age and exposure to ultraviolet light. Typically this colour shift, or yellowing, is not visually significant in the field. Also it is not necessarily confined to translucent coloured materials. This is a worldwide phenomenon affecting this cure type of silicone sealant.

Misapplication or contamination of an oxime sealant whilst curing will exacerbate the inherent condition. Specifically, 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.

P.A.T.S (Pretested Adhesion To Substrate) Programme

Bostik offer a service in which a program has been established to eliminate potential field problems by pre-testing Bostik sealants with samples of building materials to which the sealant will be applied. This service is available on large projects where pre-application testing will aid in determining the proper surface preparation. For further information consult a Bostik representative or freecall 1800 621 221 and ask for Technical Assistance.

HEALTH AND SAFETY

- On contact, uncured sealant irritates skin and eyes and may cause sensitisation by skin contact.

- Use in well ventilated area as Methyl Ethyl Ketoxime and Methanol release during cure.
- Gloves and protective goggles must be worn during application and use.
- If swallowed, do not induce vomiting. Give a glass of water and see a doctor.
- If skin contact occurs, remove contaminated clothing and wash skin thoroughly for a minimum of 15 minutes
- If poisoning occurs, contact a doctor or Poisons Information Centre (Australia 131 126; NZ 03 4747 000) or a doctor at once.
- For more detailed information refer to Material Safety Data Sheet available on www.bostik.com.au.

CLEAN-UP

Bostik Roof & Gutter Silicone can be cleaned with Mineral Turpentine before fully cured.

STORAGE

When stored at or below 25°C Bostik Roof & Gutter Silicone has a shelf life of 18 months from date of manufacture. All materials should be stored out of direct sunlight and under cover in a manner that will prevent damage preferably on pallets.

ROOF & GUTTER SILICONE

Item No	Stock Size	Units/Ctn
241008	Translucent, 300ml	20
240990	White, 300ml	20
241016	Grey, 300ml	20
241024	Black, 300ml	20
292028	Clear, 300ml	12
291986	Vivid White, 300ml	12
292004	Grey, 300ml	12

The representations and recommendations regarding the products are based on tests which we believe to be reliable. However, no guarantee of their accuracy can be made because of the great range of field conditions and variations encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with a limited warranty only, and on the condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will Bostik Australia Pty Ltd be liable to anyone except for replacement of the products or refund of the purchase price.

ALL SALES ARE EXPRESSLY LIMITED TO THE TERMS AND CONDITIONS OF SALE OF BOSTIK AUSTRALIA PTY LTD

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