

technical data sheet

ROOF & GUTTER SILICONE

High Performance Silicone Sealant for Metal Fabrication

PRODUCT

Roof & Gutter Silicone is a high performance, Ultra Violet resistant one component neutral cure silicone sealant.

DESCRIPTION

Bostik Roof & Gutter Silicone is an industrial grade neutral cure silicone sealant designed for sealing lap joints in metal guttering, aluminium roofing, flashings and down pipes. Specifically designed to meet Australian conditions.

RECOMMENDED USES

- Metal Roofing Systems
- Flashing & Down Pipes
- Lap joints in Zinalume, Colourbond and other BHP decorative Sheet-metal
- Skylights & Extraction Units
- Pipe or Sprinkler System Penetrations
- Air conditioning
- Sheet-metal,
- General purpose adhering & sealing, Building Materials, Steel, Aluminium, Concrete, Brick and Masonry
- Block or Brickwork

FEATURES & BENEFITS

- Excellent General Purpose Sealant
- Permanently flexible
- Suitable for interior and exterior applications
- Unaffected by rain, snow, extreme temperature change and constant ultra violet exposure
- Waterproof
- Excellent adhesion properties

PERFORMANCE PROPERTIES

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

Tooling time (at 20°C)	3 - 5 minutes
Tack free time (Per Fed. Spec TTS001543A)	10 minutes
Cure time (to 10mm depth @ 23°C & 50% RH)	5 - 7 days
Application range	10°C to 60°C
Temperature Performance range	- 62°C to 177°C
Hardness shore A (ASTM D-2440)	28
Tensile strength (ASM D-412)	200 psi (15 kg/cm ²)
Sag, slump (Per TT-S-001543A)	Nil
Specific gravity	1.02
Cure method (Chemical type)	Neutral
UV and ozone resistance	Excellent
Joint movement	± 25%

PACKAGING

Roof & Gutter Silicone is available in 300ml cartridges and 300ml sausages.

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

- 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° 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.
- Smooth off before skin forms (within 10 minutes). Remove excess sealant immediately with a cloth dampened with mineral turpentine. If used, remove masking tape immediately sealant tooling is complete. Sealant surface skins in 10 minutes and is touch dry in 30 minutes.
- 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 12 months.

For Sausage Application

- To dispense product hold sausage upright and cut the top off below the metal clip with scissors.
- Place sausage in Bostik Pro Gun with cut end facing nozzle or top of gun.
- For general sealing apply sealant in a continuous steady flow.
- Push sealant ahead of nozzle to completely fill joint.
- Smooth off before skin forms (10 minutes).
- For roof and guttering applications assemble components and drill fastener holes.
- Separate components and remove drillings.
- Apply sufficient sealant to obtain good adhesion to substrate; set and seal fastener.

PRIMING

- On metal, steel and non-porous surfaces primer is not required.
- On porous or absorbent surfaces such as natural stone, granite etc, Bostik Primer must be used (consult Bostik Technical Department).

MIXING

Ready to use straight from the cartridge or sausage

PRECAUTION

Not recommended for use in horizontal walkways exposed to high abrasion (pedestrian traffic), in totally confined areas or below grade or in expansion joints that will encounter continuous water immersion.

- Not to be used for structural glazing applications.
- 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.
- Do not apply to wet surfaces.

PAINTABILITY

Not paintable

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 adhesives with samples of building materials to which the adhesive will be applied. This service is available on large projects where pre-application testing will aid in determining the proper surface preparation method to achieve optimum adhesion. Consult a Bostik representative for further information.

HEALTH AND SAFETY

On contact, uncured sealant causes irritation.

- Gloves and protective goggles must be worn during application and use.
- Avoid contact with skin, eyes and avoid breathing in vapour.
- Wear protective gloves when mixing or using
- If poisoning occurs, contact a doctor or Poisons Information Centre.
- If swallowed, do not induce vomiting. Give a glass of water.
- If skin contact occurs, remove contaminated clothing and wash skin thoroughly for a minimum of 15 minutes and see a doctor.
- For more detailed information refer to Material Safety Data Sheet.

CLEAN-UP

Wipe off excess sealant immediately and clean up with mineral turpentine

STORAGE

- Store inside where possible out of direct sunlight and heat.
- Store below 25°C
- Shelf life is 12 months in unopened container when store below 25°C.

FIRE

Bostik Roof and Gutter Silicone is non-flammable.

BOSTIK ROOF & GUTTER SILICONE

ITEM NO.	STOCK SIZE
241008	300ml cartridge translucent
241016	300 ml cartridge grey
259837	300ml sausage grey
259829	300ml sausage translucent
241024	300ml cartridge black
240990	300ml cartridge white

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 Findley 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 FINDLEY AUSTRALIA PTY LTD

FOR FURTHER INFORMATION



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