



Technical Data Sheet

Bostik General Purpose Silicone Blister Pack

Description

General Purpose Silicone is a high performance, ultra violet resistant, one component, neutral cure silicone sealant.

General Purpose Silicone is an Industrial grade, neutral cure silicone sealant designed for sealing lap joints in metal guttering, aluminum roofing, flashings and down pipes. Specifically designed to meet Australian conditions.

Features

- 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

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

Application Instructions

Surface Preparation

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

Application

1. 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.
2. Insert a sealant support material such as polyurethane foam into deep joints or gaps to ensure sealant depth is no greater than 10 mm.
3. Unscrew cap and pierce end of tube with reverse end of cap. Hold tube at a 45° angle and apply sealant.
4. Tool off 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.

5. Cured sealant can be removed by trimming with a sharp blade but avoid under cutting seal.
6. After use, replace cap. Entire contents should be use within 12 months.

Priming

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

Mixing

Ready to use straight from the tube.

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

Important To Note:

Oxime silicone sealants (both standard and sanitary grade versions containing fungicide) 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, and the fungicide itself does not have any adverse impact. 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.

Clean-Up

Wipe off excess sealant immediately and clean up with mineral turpentine

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%

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 131126 & N.Z. 03 4747 000)
- For more detailed information refer to Material Safety Data Sheet available on www.bostik.com.au.

FIRE: General Purpose Silicone is non-flammable.

CAUTION:

On contact, uncured sealant irritates skin and eyes and may cause sensitisation by skin contact. Wear suitable gloves and eye protection and avoid breathing vapours. Methyl Ethyl Ketoxime and Methanol release during curing.

Storage

When stored at or below 25°C General Purpose 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.

Packaging

75g Blister Pack

Product Details

Item No.	Stock Size	APN	Units
309214	75g Tube	9310492 002477	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.

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Quality
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Quality endorsed ISO9001 (Thomastown site)
TS16949 (Automotive).

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