



# INDUSTRIAL GRADE SILICONE

## NEUTRAL CURE SILICONE

6 December 2017

### YOUR SMART ADVANTAGES

- High Performance
- Excellent Multi-Purpose Sealant
- Permanently flexible
- Suitable for interior and exterior applications
- Unaffected by rain, snow, extreme temperature change and constant ultra violet exposure
- Waterproof
- Superior adhesion properties
- Low odour
- Factory and Plant Maintenance
- Fast Dry Time

### DESCRIPTION

**Bostik Industrial Grade Silicone** is a high performance, Ultra Violet (U.V.) resistant one component neutral cure silicone sealant.

**Bostik Industrial Grade Silicone Sealant/Adhesive** is a high performance premium quality neutral cure silicone sealant designed for sealing and adhering a wide variety of products and surfaces while also offering glazing and weather seal applications. It cures by absorption of atmospheric moisture to form a flexible and durable elastomeric sealant

### USES

Weather seals between glass and aluminum  
High performance  
Back glazing between timber and glass  
Perimeter seals between aluminum window frames, brick and masonry  
Air seals in concrete panels  
General construction  
Electrical applications  
Marine work  
Industrial and maintenance applications  
As an Adhesive  
As a Multi-Purpose Sealant

### PRODUCT CHARACTERISTICS

Colour	Black, Clear, White, Grey, Alum Grey
Coverage	Approx. 13 lineal metres per 300ml cartridge

based on an average joint size of 5mm depth and 5mm width

Product code	
300ml cartridge/20 per carton	
Black	30840121
Clear	30840117
White	30800827
Grey	30804541
Alum Grey	30840128

### TYPICAL PERFORMANCE DATA (approx.)

Tooling Time (@ 20°C)	3 – 5 minutes
Tack Free Time	6 minutes
Cure Time (To 10mm depth @ 23°C & 50% RH)	5 – 7 days
Application Range	10°C – 60°C
Temperature Performance Range	-62°C – 177°C
Hardness Shore A	27
Tensile Strength	260 psi (15 kgf/cm <sup>2</sup> )
Sag / Slump	Nil
Specific Gravity	1.02
Cure Method	Neutral
U.V. & Ozone Resistance	Excellent
Water Potability	AS4020-1994 Approved
Joint Movement	± 25%

### APPLICATION INSTRUCTIONS SURFACE PREPARATION

Surfaces to be sealed must be clean, dry and free of wax, grease or any loose or flaking paint. Clean off any oil or grease using IPA.

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## APPLICATION

1. 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 10mm.
3. 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.
4. 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, cured plug will form in cartridge nozzle.
7. Before reusing, remove plug and extrude sealant.
8. Entire cartridge contents should be used within 12 months.

## PRECAUTIONS

- 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.
- Not recommended for direct contact with bituminous or pitch based adhesives or membranes as bleed through discoloration will occur.
- Not recommended for marble, granite or stone.
- Do not use in chlorinated water such as swimming pools, spas etc.
- Non-Flammable

### 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 (i.e., 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.

## STORAGE & SHELF LIFE

Store in a cool, dry place, out of direct sunlight. Storage areas must be well ventilated and comply with local, state and federal regulations. For maximum shelf life, store between 5°C and 20°C.

Shelf life is up to 18 months when stored in original, unopened containers, under the above conditions.

## HEALTH & SAFETY

- On contact, uncured sealant causes irritation of skin and eyes, and may cause sensitization by skin contact.
- Use in well-ventilated area as Methyl Ethyl Ketoxime and methanol are released during cure.
- 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 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 or [www.bostik.com.au](http://www.bostik.com.au)

**For emergency information contact the Poisons Information Centre, phone 131 126 or the Emergency Response Service, phone 1800 033 111.**

BOSTIK HOTLINE

Smart help 1800 898 551



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