



Technical Data Sheet

Silicone S301

Updated
21/04/2019

DESCRIPTION

Silicone S301 is a professional grade acetic acid curing, one part silicone sealant. It has excellent adhesion to glass and is especially formulated for window and aquarium construction.

SIZES AVAILABLE

Silicone S301 is available in 330g gross cartridges and is available in clear, white, black & grey colours.

USES

Ideal for kitchen sinks, windows, aquariums, and gaskets on refrigerators, ovens and dryers.

TECHNICAL FEATURES

- Waterproof seal
- Permanently flexible
- Excellent adhesion to many common surfaces

HOW TO USE DIRECTIONS

- All surfaces must be clean, dry and free from dirt dust, oil and loose rust. Clean surfaces with mineral turpentine and wipe dry with a clean rag before applying sealant.
- Cut tip off cartridge and cut nozzle at 45° angle to suitable size opening. Fit nozzle to cartridge. Place cartridge into caulking gun.
- Hold caulking gun at 45° angle and gun sealant ahead of nozzle ensuring product is pushed into joint.
- For a smooth finish, tool with a spatula. Excess sealant must be cleaned up before the sealant skins in 5-10 minutes. Wipe excess away with a cloth dampened in mineral turpentine.

HANDY HINTS

- Each cartridge covers approx 15 lineal meters/5mm bead.

TECHNICAL DETAILS

Consistency:	Clear, white, grey & white Paste
Curing Mechanism:	Moisture cure
Curing Rate:	2mm depth per day
Skin Time:	5 -10 minutes (depending on weather conditions)
Tack free time: @ 23 °C	25 minutes (depending on weather conditions)
Service Temperature:	-60°C to +150°C
Joint Movement Capability:	±25% of original joint width when applied in properly designed joint*
Elongation	300%
Slump (23°C)	<1mm
Shore A Hardness	15-25
Tensile Strength	1.1MPa
VOC**	11g/L Meets Green Building Council of Australia VOC limit for architectural sealants

*Properly designed joint refers to the accepted concept of correct sealant dimensions, ie. sealant depth equal to half sealant width and sealant applied over a suitable backing material to which the sealant will not adhere or which does not limit the free movement of the sealant.

**VOC Calculation Methodology

The TVOC value stated has been determined using USEPA Reference Method 24, as stated in The South Coast Air Quality Management District Rule 1168.

Reference

Green Building Council of Australia Technical Manual IEQ-13 (V3 2008) for Adhesives & Sealants.

CLEAN UP

Clean all excess wet adhesive/sealant from equipment with mineral turpentine. Cured adhesive/sealant is extremely difficult to remove and must be abraded or trimmed with a knife.



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LIMITATIONS

- Cannot be painted over
- Not suitable for use on concrete or cement products, zinc or metals containing copper.
- Not recommended for use in below waterline applications, glass aquariums excepted

WARNINGS/FIRST AID & SHIPPING INFORMATION:

Refer to the **MSDS** section located on the Selleys Website.