

# SA-101

## 100% RTV ACETIC SILICONE SEALANT

### Description:

**x'traseal®** SA-101 RTV Acetic Silicone Sealant is one part sealant that offer excellent adhesion, weatherability and elasticity for general glazing and for sealing application.

### Features:

- ◆ Certify to ASTM C920-class 25
- ◆ Joint movement capability up to +/- 25 %
- ◆ Acetic acid curing system
- ◆ Outstanding durability
- ◆ One part no mixing
- ◆ Permanently flexible
- ◆ Excellent gunability (-20°C to 50°C)
- ◆ Weather proof
- ◆ Low shrinkage
- ◆ No sagging
- ◆ Primerless adhesion to most materials
- ◆ Uv resistance

### Uses:

- ◆ General glazing: glass, plastic, channel.
- ◆ Curtain wall sealing: glass, metal, granite and plastic.
- ◆ General sealing: sheet metal, skylights, ventilators, air-conditioning.
- ◆ Glass sealing and adhesion for aquarium.

***We recommend preliminary compatibility tests prior to application to achieve desirable results***

### Not recommended for:

SA-101 is an acetic acid curing silicone and is not suitable where the acetic acid component will corrode the base material.

Not for: traffic areas or areas subject to abrasion.

Not for: structural glazing.

Not for: on marble, quartzite or natural stones.

### Joint design:

The specified sealant bead size should be calculated to comply with the compression and extension capabilities of the sealant in relation to the anticipated joint width due to expansion and contraction.

Generally calculation of the width of SA 101 sealant bead should be computed on the basis of a maximum  $\pm 25\%$  compression and extension capability minimum bead size should not be less than 3mm to accommodate movement. Design joint depth of which ratio width becomes 0.5 to 1. Suitable joint depth vs width:

6mm x 6mm  
8mm x 12mm  
10mm x 20mm

- \* Joint size minimum 3mm x 3mm.
- \* Joint size maximum 30mm.

### Application:

- ◆ Surface must be clean and dry.
- ◆ Mask smooth surface to simplify clean up.
- ◆ Use approved back-up material in joint.
- ◆ Cut nozzle to desired size.
- ◆ Insert cartridge into caulking gun.
- ◆ Push sealant ahead for uniform bead.
- ◆ Tool within 5 minutes.
- ◆ Clean off excess sealant with M.E.K. or toluene.

### Curing time:

SA-101 silicone will tack free in approximately 15 minutes. It also will cure about 10mm in 7 days. Longer curing time may be necessary in dry and low humidity area.

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### Specification:

Curing system	Acetoxy
Appearance	Non-sagging paste
Odour	Vinegar smell
Specific gravity	1.02 ± 0.02
Shore a hardness	24 - 30
Elongation	400% approx.
Tensile strength	1.0 ± 0.1 mpa
Tack free time	15 minutes
Application temp.	-20°C to 50°C
Service temp.	-50°C to 150°C
Shelf life	12 months

### Storage:

Material should be stored in a dry and cool place between +5°C to +30°C.

### Caution:

Read and understand material safety data sheet of this product before handling or using.

*This information is provided in good faith and is believed accurate based on a review of current composition and information supplied by vendors. No warranty is expressed or implied. Liability is expressly disclaimed.*

