

SN-501

100% RTV NEUTRAL SILICONE SEALANT



DESCRIPTION:

x'traseal® SN-501 silicone sealant is one part sealant that offer excellent adhesion, weatherability and elasticity for general glazing and for sealing application.

FEATURES:

- ◆ Comply with ASTM C920-Class 25
- ◆ Comply with AZ/NZS 4020 2005
- ◆ Joint movement capability up to +/- 25 %
- ◆ Neutral, oxime curing system
- ◆ Non corrosive to metals
- ◆ Non corrosive to alkaline substrates
- ◆ Non corrosive to automobiles
- ◆ Outstanding durability
- ◆ One part no mixing
- ◆ Permanently flexible
- ◆ Excellent gunability (-20°C to 50°C)
- ◆ Weather proof
- ◆ Low shrinkage
- ◆ No sagging
- ◆ Primeless adhesion to most materials
- ◆ UV resistance

USES:

- ◆ General glazing: masonry, concrete, ceramics stone, glass, metals, stainless steel, aluminium, most plastics, wood, brick, Zirconium, galvanized iron.
- ◆ General sealing: containers, automobiles, rain water goods, roofing, joints in building and civil engineering.
- ◆ DIY applications: gutter, air-conditioning, sanitary, car, boat and other marine industry uses.
- ◆ Electronics sealing: as sealants in the electrical and electronics industry.

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

NOT RECOMMENDED FOR:

SN-501 is a neutral (oxime) curing silicone. As with other silicone sealants, it is:

Not for: traffic areas or areas subject to abrasion.

Not for: paints coating.

Not for: poly-carbonate or polyacrylate if they under tension.

Not for: copper materials.

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 SN-501 sealant bead should be computed on the basis of a maximum $\pm 30\%$

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.



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SIRIM
CERT. TO ASTM C920 : 2014a
CERT. NO : PC004057



SINGAPORE
GREEN
BUILDING
PRODUCT
SGBC
VERY GOOD
SGBP 3973

CURING TIME:

SN-501 WILL TACK FREE IN APPROXIMATELY 15 MINUTES AND WILL CURE TO A DEPTH OF 10mm IN 7 DAYS. LONGER CURING TIME MAY BE NECESSARY IN DRY AND LOW HUMIDITY AREA.

SPECIFICATION:

Curing system	Neutral (oxime)
Appearance	Non-sagging paste
Odour	Low oxime smell
Specific gravity	1.02 ± 0.02
Shore a hardness	30 approx.
Elongation	400% approx.
Tensile strength	1.20mpa approx.
Tack free time	Within 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.

