



SN-503

MULTI-PURPOSE NEUTRAL
SILICONE SEALANT



x'traseal®

TECHNICAL DATA SHEET

REV: 04

Date: 25 April 2024

DESCRIPTION

x'traseal® SN-503 silicone sealant is a one part general and optimized neutral (oxime) curing silicone rubber. SN-503 sealant offers excellent adhesion, weatherability and elasticity for general glazing and for sealing application.

FEATURES

- ◆ Non corrosive to metals
- ◆ Non corrosive to alkaline substrates
- ◆ Non corrosive to automobiles
- ◆ Outstanding durability
- ◆ One part no mixing
- ◆ Permanently flexible
- ◆ Excellent gunnability (-20°C to 50°C)
- ◆ Weather proof
- ◆ Low shrinkage
- ◆ No sagging
- ◆ Primerless adhesion to most materials

USES

- ◆ General glazing: masonry, concrete, ceramics stone, glass, metals, stainless steel, aluminum, most plastic, wood, brick, zinc, galvanized iron.
- ◆ General sealing: containers, automobiles, roofing, joints in building and civil engineering.
- ◆ DIY applications: gutter, air-conditioning, sanitary, car, boat and other marine industry uses.
- ◆ Electronics sealing: electrical and electronics components joint.

Due to a large variety of different coatings and substrates, we recommend preliminary compatibility tests prior to application to achieve desirable results

NOT RECOMMENDED FOR:

SN-503 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: polycarbonate or polyacrylate if they under tension.
Not for: copper materials.



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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 kitchen & bathroom 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.

CURING TIME

SN-503 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
Odour	Low oxime smell
Specific gravity	0.97 $\pm$ 0.05(Clear) 1.40 $\pm$ 0.05(Colour)
Hardness (shore a)	18-25(Clear) 35-40((Colour).
Elongation	300%(Clear) 380%(Colour)
Tensile strength	1.0MPa approx.(Clear) 1.4MPa approx.(Colour)
Tack free time	15 minutes
Application temp.	-20°C to 50°C
Service temp.	-50°C to 150°C
Shelf life	12 months



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STORAGE

Material should be stored in a dry and cool place between +5⁰C to +30⁰C.

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.



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