



SN-504

INDUSTRIAL GRADE RTV NEUTRAL
SILICONE SEALANT - HIGH MODULUS



x'traseal®

TECHNICAL DATA SHEET

REV: 04

Date: 25 April 2024

DESCRIPTION

x'traseal® SN-504 silicone sealant is one part sealant, high modulus that offer excellent adhesion and weatherability for general glazing and for sealing application.

FEATURES

- ♦ High modulus
- ♦ Neutral, oxime curing system
- ♦ Non corrosive to metals
- ♦ Non corrosive to alkaline substrates
- ♦ Non corrosive to automobiles
- ♦ One part no mixing
- ♦ Outstanding durability
- ♦ Permanently flexible
- ♦ Excellent gunnability (-20°C to 50°C)
- ♦ Weather proof
- ♦ No sagging
- ♦ Low shrinkage
- ♦ Primerless adhesion to most materials
- ♦ Internal & external
- ♦ UV resistance

USES

- ♦ General glazing: masonry, concrete, ceramics stone, glass, aluminium, most plastics, wood, brick, zinc, 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.

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-504 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.



MOHM CHEMICAL SDN. BHD. (REG NO 276851-U)
No. 32, Jalan Temenggong, Off Jalan Tampoi, 81100 Johor Bahru, Johor,
Malaysia. Tel : +607 333 1222 Fax : +607 332 0545 / 333 7919
Website: www.xtraseal.com Email: info@mochem.com

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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-504 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	1.40 $\pm$ 0.05
Shore A hardness	35-40
Elongation	380%
Tensile strength	1.40MPa 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.



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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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