

Technical Data Sheet

Rev 4: January 2023



SiegelSeal N05+

Product Description

SiegelSeal N05+ is a high-performance neutral oxime cure silicone sealant.

This premium formulation is 100% silicone and non-extended to give a lifetime performance in glazing, caulking, HVAC, roofing, guttering, automotive and industrial construction applications.

Suitable for use on mirror backing, laminated glass and painted glass.

Product Advantages

- ❑ **SiegelSeal N05+** has excellent adhesion properties to glass and most construction materials.
- ❑ **SiegelSeal N05+** is fast curing, low-medium modulus with high movement capacity.
- ❑ **SiegelSeal N05+** is non-corrosive and possesses maximum UV and weathering resistance.
- ❑ **SiegelSeal N05+** is a non-shrinking and non-slumping formulation.
- ❑ **SiegelSeal N05+** has extreme temperature resistance at -60°C to 180°C.
- ❑ **SiegelSeal N05+** is certified to AS/NZ4020:2018 Potable Water Approved.
- ❑ **SiegelSeal N05+** meets GBCA VOC content requirement as low VOC.

Application

Clean and dry surface using mineral turpentine. Cut tip off cartridge and cut the nozzle on a 45° angle. Fit the nozzle to cartridge and place in caulking gun. Hold caulking gun at 45° angle applying Sealant into the joint. Tool within the working time with a clean spatula dipped in soapy water. Clean up Sealant with mineral turpentine within skin time. Cured material can be removed mechanically.

Technical Information

Sealant Type	Neutral Oxime Cure Silicone		
Colour	Colours	Translucent	
Density	1.35g/ml	1.02g/ml T	ASTM D792
Shore Hardness A	30	25	ASTM C661
Tensile Strength	1.3 N/mm ²		ASTM D412
Application Temperature	+5°C to +40°C		
Temperature Resistance	-60°C to +180°C		
Smoke Point	220°C +/-		
VOC Content	39 grams / litre		ASTM D3960-05
Adhesion-in-Peel	>35 N		ASTM C794
Movement Capacity	30% ±		ASTM C719
Elongation at Break	≥400%		ASTM D412
Sagging	0mm		ISO 7390
Skin Formation	5 - 10 min (23°C and 50% R.H)		

Consumption Estimate

Joint Width	6mm	10mm	20mm
Joint Depth	6mm	10mm	10mm
Distance per 300ml	7.58 metres	2.73 metres	1.36 metres



Surface Preparation

Glass	Degrease with alcohol or MEK
Aluminum, light alloys, stainless steel	Degrease with alcohol or MEK
Other metals	Lightly abrade and then degrease as above
Wood	Lightly abrade surface and remove dust
Plastics	Degrease using an agent recommended by plastics manufacturer
Concrete and other alkaline surfaces	Brush and remove dust
Mirrors	Clean mirror back as recommended by mirror supplier. Ensure a primary fixing – e.g. double sided tape – is used in conjunction with the silicone.

Restrictions

- ☐ Must not be used in totally confined spaces where the sealant cannot cure due to lack of atmospheric moisture.
- ☐ Should not be used in conjunction with bitumen asphalt, neoprene and organic elastomers.
- ☐ Should not be painted over.
- ☐ Should not be used in application that will be submerged in chlorine water.
- ☐ Can yellow if exposed to bleach or HCL based brick cleaners while curing.

Storage and Shelf Life

SiegelSeal N05+ has a shelf life of 12 months if stored unopened in the original packaging at temperatures between +5°C and +30°C.

Safety and Disposal

- ☐ Prolonged contact with the uncured sealant should be avoided.
- ☐ Prolonged inhalation of the sealant vapour during curing should be avoided.
- ☐ The application area must be ventilated properly.

Health & Safety

May cause an allergic skin reaction. Causes serious eye irritation. Wear protective gloves and eye protection. IF ON SKIN: Wash with soap and water. IF IN EYES: Rinse continuously with water for several minutes. If skin irritation or a rash occurs: Seek medical advice/attention. If eye irritation persists: Seek medical advice/attention. Wash contaminated clothing before reuse. Keep out of reach of children. Contains aminosilane. May produce an allergic reaction. Safety data sheet available on request. For further health and safety information, check the latest safety data sheet.

Product Disclaimer

Since the use and application of this product is beyond our control, we cannot be held responsible for product field performance. The information presented above is the result of our considerable experience with this product but is not to be construed as a performance warranty. In every case we recommend that the customer conducts their own testing and accordingly determines, to their satisfaction, its suitability for their purpose under the operating conditions in which they will use the product/s. For additional information, phone our Customer Service Centre on AU (02) 4858 1771 or NZ (09) 951 9552.
January 2023 - This Data Sheet supersedes those previously issued.

Siegel Sealants

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