



High Performance Industrial Silicone

Product Description

SiegelSeal N07+ is high-performance neutral oxime cure 100% silicone sealant. This high performance formulation is engineered for a wide range of industrial applications. These include sealing lap and structural joints in applications such as automotive, HVAC, sheetmetal, roofing, guttering and waterproofing applications where lifetime high strength sealing performance is required. This silicone conforms with Australian Steel Institute Technical Specification TS-001 as being neutral cure 100% silicone and approved and warranted for roofing and guttering applications.

Product Advantages

- SiegelSeal N07+ gives high adhesion to most substrate material types including Aquaplate.
- SiegelSeal N07+ is rheologically optimised for easy tooling and finishing without sagging.
- SiegelSeal N07+ is non-corrosive and possesses maximum UV and weathering resistance.
- SiegelSeal N07+ possesses extreme temperature resistance from -60°C to 180°C.
- SiegelSeal N07+ has very low odour, is non-corrosive and non-yellowing.
- SiegelSeal N07+ is AS4020:2018 certified for Potable Water and food contact.
- SiegelSeal N07+ meets GBCA VOC content requirements as low VOC.

Application

SiegelSeal N07+ is engineered to ensure lifelong performance in demanding applications such as automotive, HVAC, sheetmetal, roofing, guttering and waterproofing applications.

Instructions: Remove a sausage of SiegelSeal N07+ from the carton and place in the sausage gun. Holding the sausage gun upright, use side cutter or a knife to cut the metal crimp off one end of the sausage. Cut a nozzle down to the desired nozzle diameter and place in the nozzle clasp and screw on the end of the gun. Ensure the surface is correctly prepared or primed. Pump the silicone as required. SiegelSeal N07+ must be tooled with light pressure within 5 minutes post-application to spread the material against the joint surface for a professional finish. For but joints, SiegelSeal N07+ should be applied to a joint of at least 5x5mm, and bigger joints have a width to depth ratio of about 2:1. SiegelSeal N07+ in its uncured state can be cleaned with solvent. When cured it is very difficult to remove.

Consumption Estimate

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

i Technical Information

Sealant Type	Neutral Oxime Cure Silicone	Colour	Translucent & Colours
Density	ASTM D792 1.00 ± 0.03 g/ml	Sheen	Full Sheen
Shore Hardness A	ASTM D2240 30	Tensile Strength	ASTM D412 1.5 N/mm2
Application Temperature	+5°C to +50°C	Temperature Resistance	-60°C to +180°C
Smoke Point	220°C +/-	Low VOC Compliance	GBCA Greenstar Compliant Yes
VOC Content	ASTM D3960-05 39 grams / litre	Curing Speed	3mm / 24 hours (23°C and 50% R.H)
Movement Capacity	ASTM C719 25% ±	Elongation at Break	ASTM D412 ≥400%
Sagging	ISO 7389 0mm	Skin Formation	5 - 10 min (23°C and 50% R.H)

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 othe
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.
- Migration and staining can occur when used in direct contact with some natural marble and stones.

Storage and Shelf Life

- SiegelSeal N07+ has a shelf life of 12 months if stored unopened in the original packaging at temperatures between +5°C and +30°C.

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.

October 2024 - This Data Sheet supersedes those previously issued.