



High Performance Neutral Silicone

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, stone, automotive and industrial construction applications. Suitable for use on mirror backing, laminated glass and painted glass. 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 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.
- SiegelSeal N05+ when cured does not support microbial growth under normal service conditions.

Application

SiegelSeal N05+ is engineered to give lifelong performance in a wide range of professional applications such as glazing, caulking, weathersealing, roofing, guttering, HVAC, sheetmetal and demanding UV exposure applications.

Instructions: Remove a cartridge of SiegelSeal N05+ from the carton and use a side cutter or a knife to cut the tip of the cartridge. Cut a nozzle down to the desired nozzle diameter and screw the nozzle onto the end of the cartridge. Place the cartridge in the cartridge gun. Ensure the surface is correctly prepared or primed. Pump the silicone as required. SiegelSeal N05+ 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 N05+ should be applied to a joint of at least 5x5mm, and bigger joints have a width to depth ratio of about 2:1. SiegelSeal N05+ 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 1.35 ± 0.03 g/ml	Sheen	Low Sheen Colours
Shore Hardness A	ASTM C661 25	Tensile Strength	ASTM D412 1.3 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 35% ±	Elongation at Break	ASTM D412 ≥500%
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 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.
- Migration and staining can occur when used in direct contact with some natural marble and stones.

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.

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.