



High Performance Sanitary Silicone

Product Description

SiegelSeal S21 is a premium high-performance neutral cure silicone sealant with active antifungal agents for kitchen, bathroom and wet area application. This 100% silicone formulation is designed to give good general performance for indoor and outdoor wet area sealing with superior antifungal properties for longer service life.

Product Advantages

- SiegelSeal S21 has excellent adhesion properties to glass and most construction materials.
- SiegelSeal S21 is fast curing with permanent adhesion to resist sealant lifting.
- SiegelSeal S21 is non-corrosive and possesses maximum UV and weathering resistance.
- SiegelSeal S21 is a non-shrinking and non-slumping formulation.
- SiegelSeal S21 has extreme temperature resistance at -60°C to 180°C.
- SiegelSeal S21 has superior anti-fungal and anti-mould properties for lifetime performance.
- SiegelSeal S21 meets GBCA VOC content requirement as low VOC.

Application

SiegelSeal S21 is a premium sanitary silicone formulated to give lifelong performance in a wide range of indoor and outdoor wet area applications including cool rooms, kitchens, bathrooms, laundries and washrooms where anti-mould and non-yellowing performance is required.

Instructions: Remove a cartridge of SiegelSeal S21 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 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 S21 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 S21 should be applied to a joint of at least 5x5mm, and bigger joints have a width to depth ratio of about 2:1. SiegelSeal S21 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	Colours
Density	ASTM D792 1.34 ± 0.03 g/ml	Sheen	Full Sheen
Shore Hardness A	ASTM C661 25	Tensile Strength	ASTM D412 1.1 N/mm2
Application Temperature	+5°C to +50°C	Temperature Resistance	-60°C to +200°C
Low Voc Compliance	GBCA Greenstar Compliant Yes	VOC Content	ASTM D3960-05 40 grams / litre
Curing Speed	3mm / 24 hours (23°C and 50% R.H)	Adhesion-in-Peel	ASTM C794 >35 N
Movement Capacity	ASTM C719 25% ±	Elongation at Break	ASTM D412 400%
Sagging	ISO 7390 0mm	Skin Formation	10-15 minutes (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

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 S21 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.