



High Performance Sealant & Adhesive

Product Description

SiegelFlex M20 is a high-performance hybrid polymer sealant and adhesive with excellent adhesion on most construction materials, providing permanent elasticity and movement capability. This formulation engineered to have excellent UV and weathering performance for external sealing, caulking, joint sealant and a wide range of industrial and construction applications.

Product Advantages

- SiegelFlex M20 primeless high strength bonding to most surfaces.
- SiegelFlex M20 will provide lifetime movement flexibility for expansion and control joints.
- SiegelFlex M20 has excellent UV and weathering resistance, no cracking or crazing.
- SiegelFlex M20 is paintable and silicone oil free, leaving no stains on adjacent substrates.
- SiegelFlex M20 is solvent free resulting in no slump or shrinkage with curing.
- SiegelFlex M20 has a matt finish and has excellent long-term UV and weathering resistance.
- SiegelFlex M20 meets GBCA VOC content requirement as low VOC.

Application

SiegelFlex M20 is engineered to have excellent UV and weathering performance for external sealing, caulking, joint sealant and a wide range of industrial and construction applications.

Instructions: Remove a sausage of SiegelFlex M20 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. SiegelFlex M20 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, SiegelFlex M20 should be applied to a joint of at least 5x5mm, and bigger joints have a width to depth ratio of about 2:1. SiegelFlex M20 in its uncured state can be cleaned with solvent. When cured it is very

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	Silane Modified Polymer	Colour	Grey, Black, White
Density	ASTM D792 1.50g/ml	Sheen	Low Sheen
Shore Hardness A	ASTM C661 30	Tensile Strength	ASTM D412 1.1 N/mm2
Application Temperature	+5°C to +50°C	Temperature Resistance	-40°C to +110°C
Low Voc Compliance	GBCA Greenstar Compliant Yes	VOC Content	ASTM D3960-05 18 grams / litre
Curing Speed	4mm / 24 hours (23°C and 50% R.H)	Movement Capacity	ASTM C719 50% ±
Elongation at Break	ASTM D 412 600%	Sagging	ISO 7390 0mm
Skin Formation	5-10 min 23°C and 50% R.H)	Tack Free Time	30-45 minutes
Elasticity Recovery	ISO 7389 >70%	Effect of Heat Aging	ASTM C920 (8.10) 0.5% Weight loss Cracking - None Chalking - None
Effect of Accelerated Weathering	ASTM C920 (8.11) UV exposure - no cracking Cold temp. - no cracking		

Surface Preparation

Glass

Brush and remove dust

Aluminum, light alloys,
stainless steel

Brush and remove dust

Other metals

Brush and remove dust

Wood

Brush and remove dust

Plastics

Brush and remove dust

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

- SiegelFlex M20 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.