



## 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 butt 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



## 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/mm<sup>2</sup>

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.
- May resist being painted over with oil-based paints.
- 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.
- Should not be used for outdoor bonding against glass substrates.
- Not recommended for use below waterline or in permanent water immersion.

## 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.