

## SiegelFlex MS20

### Product Description

*SiegelFlex MS20 is a high-performance construction sealant and adhesive for most construction and weatherseal applications. SiegelFlex MS20 is formulated on silane modified polymer making it a solvent free, low modulus sealant with exceptional UV resistance and service life.*

### Product Advantages

- ❑ *SiegelFlex MS20 has excellent primerless adhesion onto most building materials.*
- ❑ *SiegelFlex MS20 is low modulus with 25% movement capacity.*
- ❑ *SiegelFlex MS20 is non-corrosive and possesses maximum UV and weathering resistance.*
- ❑ *SiegelFlex MS20 is a non-shrinking and non-slumping formulation.*
- ❑ *SiegelFlex MS20 has a paintable smooth finish and good tooling characteristics.*
- ❑ *SiegelFlex MS20 will not bubble, crack, or shrink during or after curing.*
- ❑ *SiegelFlex MS20 is low VOC compliant and solvent free.*

### Applications

*Recommended for general weatherseal, expansion joints, control joints, caulking joints and most common construction sealant applications. Suitable for use in precast panel, aluminium panel and masonry caulking applications. Not recommended for direct contact with glass.*

### Technical Information

Sealant Type	Silane Modified Polymer	
Slump	0mm	ASTM D2202
Maximum Tensile Strength	1.1 N/mm <sup>2</sup>	ASTM D412
Shore A Hardness	30	ASTM C661
Elongation at Break	590%	ASTM D412
Movement Capability	±25%	ASTM C719
Low VOC Compliance	Yes	SCAQMD Rule #1168
VOC content	15.50g/L	USEPA Method 24
Curing Rate	4mm / 24hrs	20°C at 50% R.H
Skin Formation Time	20-40 minutes	20°C at 50% R.H
Sealant Type	Silane Modified Polymer	
Slump	0mm	ASTM D2202

### Consumption Estimate

Joint Width	6mm	10mm	20mm
Joint Depth	6mm	10mm	10mm
Distance per 600ml	15.5 metres	5.5 metres	2.75 metres

## Joint Design

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Joint dimensions should be calculated to consider for the movement capacity of the sealant and anticipated joint movement. Generally, a joint width-to-depth ration of 2:1 for joint withs  $\geq 12\text{mm}$ , or 1:1 for joint widths  $\leq 12\text{mm}$  is recommended.

- Joint Width Recommended Range: 6 – 35mm
- Joint Depth Recommended Range: 6-12mm

Sealing joints larger than this range is possible however may result in sealant sag in vertical applications.

## Joint Preparation

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Substrate must be dry, clean, and free from dirt, grease, oil or standing water. For a neat finish use masking tape and remove tape within the sealant working time. For sealant designs with depths over 10mm use approved backing materials.

## Application Directions

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- Cut the tip of the sausage carefully and slip the sausage into the caulking gun.
- Cut the nozzle to the appropriate width at an angle of  $45^\circ$  to  $60^\circ$ .
- Use a caulking gun and extrude the sealant with a single bead into the joint.
- Too the sealant with a clean and dry tool before the sealant skins for a smooth finish.
- Wet sealant can be cleaned up with acetone or mineral spirits.
- Cured sealant can only be removed mechanically.

## Limitations

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Not recommended for the following applications:

- Below waterline or permanent water immersion.
- Sealing/bonding adjacent to glass substrates.
- Polyethylene, polypropylene, teflon, neoprene, and bituminous surfaces.
- Overcoated with
  - Alkyd resin paint - cure inhibition to the paint
  - Chlorinated paint - staining issue
  - Oil based paint - not compatible

## Storage and Shelf Life

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**SiegelFlex MS20** has a shelf life of 12 months if stored unopened in the original packaging at temperatures between  $+5^\circ\text{c}$  and  $+30^\circ\text{c}$ .

### Health & Safety

Keep out of reach of children. Contains aminosilane.  
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.

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### 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 1300 729 863.

May 2020 - This Data Sheet supersedes those previously issued.

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