

<b>DESCRIPTION</b>	single component elastomeric waterproofing material based on plasticized acrylic resins with ultra violet light resistant pigments
<b>PRINCIPAL CHARACTERISTICS</b>	<ul style="list-style-type: none"><li>- ready to use single component material</li><li>- excellent flexibility and elongation properties</li><li>- provides a seamless waterproofing membrane for roof areas</li><li>- follows the contour of irregular surfaces maintaining a uniform thickness</li><li>- no objectionable odour</li><li>- non toxic</li><li>- non yellowing</li><li>- conforms to environmental specifications</li></ul>
<b>COLOUR AND GLOSS</b>	white (other light colours on request) – flat
<b>BASIC DATA AT 20 °C</b>	
<b>Specific Gravity</b>	approx. 1.35g/cm <sup>3</sup>
<b>Solids content</b>	approx. 45 % by volume
<b>Recommended dry film thickness</b>	500 µm
<b>Theoretical spreading rate</b>	approx. 0.9 m <sup>2</sup> /ltr for 500 µm depending on the nature and condition of the substrate and the application method employed
<b>Touch dry after</b>	approx. 4 hours
<b>Overcoating interval</b>	min. 16 hours max. no limitations
<b>Shelf life (cool,dry place)</b>	12 months
<b>Flashpoint</b>	above 65 °C
<b>Available pack size</b>	15 ltr and 20 ltr
<b>RECOMMENDED SUBSTRATE CONDITIONS</b>	<ul style="list-style-type: none"><li>- all surfaces should be dry and free from any contamination</li><li>- previous coat; dry and free from any contamination</li></ul>
<b>SYSTEM SPECIFICATION</b>	
<b>Concrete</b>	<ul style="list-style-type: none"><li>- all surfaces to receive coating should be cleaned by sandblasting or acid etching. If acid etching is used, surfaces should be thoroughly washed afterwards with clean water to remove any residue then allowed to dry to below 12% moisture content. Defects greater than 3mm in depth should be filled with a suitable repair mortar.</li></ul>

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## Cracks and control joints

- all cracks and joints, except for non-moving shrinkage cracks, must be sealed with an approved elastomeric sealant
- Large cracks (>1.5mm) should be raked out and sealed with an approved elastomeric sealant or repair mortar. Sealant should be applied to the inside of the cracks only and not on to the roof surface itself. Secondary control and expansion joints should be sealed with polyurethane or polysulphide sealants. A backing rod should be used to control the sealant depth. All cracks and control joints must be reinforced by embedding a 10 cm wide strip of fibreglass tape in the wet Roof-Flex coating and brushed evenly over the cracks and joints to a width of approx. 125mm and a wft of approx. 500 µm.
- The application of Sigma Roof-Flex can subsequently be done over the entire area, including taped areas.

## Application information

- porous and slightly textured areas should be primed first with one coat of Sigma Roof-Flex thinned 20% with sweet water at a dft of between 100 – 150 µm.
- at intersections of membrane and vertical walls, columns, pipes and other penetrations, including cracks and control joints, embed fibreglass tape between 2 coats of Sigma Roof-Flex

### METHOD OF APPLICATION

#### AIRLESS SPRAY

**Recommended thinner**

sweet water

**Volume of thinner**

0 - 10%

#### BRUSH AND ROLLER

**Recommended thinner**

sweet water

**Volume of thinner**

0 – 10%

#### CLEANING SOLVENT

sweet water

### PHYSICAL DATA OF CURED MATERIAL

Tensile strength

0.28 N/mm<sup>2</sup> (ASTM D-412)

Average elongation at break

2500% (ASTM D-412)

### SAFETY PRECAUTIONS



see safety sheet 1570 for information on LEL and TLV values

### ENVIRONMENTAL



Complies with Environmental specifications  
VOC < 50g/l

### REFERENCES

explanation to product data sheets on information sheet 1551