superior quality elastomeric crack-bridging and anticarbonation coating for concrete and cement based substrates, based on pure non toxic, UV resistant acrylic resins.

- for exterior and interior use
- superior crack bridging properties
- superior flexibility and elongation properties
- high resistance to UV
- excellent anti carbonation properties
- superior durability
- superior resistance to precipitation
- low flame spread class 1
- excellent heat reflection with ULTRA- COOL colors
- non toxic
- no objectionable odour
- textured and smooth finishes possible
- independantly certified
- conforms to environmental specifications

Sigma standard colour selection – silk

Specific Gravity
Solids content
Theoretical spreading rate
Touch dry after
Overcoating interval
Shelf life (cool,dry place)
Flashpoint
Available pack size

approx. 1.43 g/cm³
approx. 52% ± 2% by volume
approx. 10.8 m²/ltr @ 50μm
approx. 5.4 m²/ltr @ 100μm
Depending on the nature and condition of the substrate and the application method employed
approx. 2 hours
min. 16 hours
max. no limitations
18 months
above 65 °C
15 ltr

primed substrates
- dry and clean primed concrete, cement render and plaster
- dirt, dust and other contamination must be removed

Please turn
**RECOMMENDED SUBSTRATE CONDITIONS**

- Previously painted substrates
  - Free from defective or poorly adhering paint films
  - Wash intact or remaining paint films with a 3% ammonia solution
  - Glossy paint layers must be abraded flat
  - Not recommended over existing solvent borne paint types.
  - For further advice on compatibility, contact Sigma Paints DTS

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**SYSTEM SPECIFICATION**

**Recommended Primer**

- 0907 Sigma Guardian Primer*
  
  *Alternate primer 0852 Sigma Acrylic Primer Sealer

**Recommended Fillers**

- 0908 Sigma Guardian Filler**
  
  **In case a filler is used, proper sanding followed by one coat of one recommended Primers must be used before applying Sigma Guardian Flix

**Recommended Finish**

- Cracks up to 0.6 mm, 1 x Sigma Guardian Flex at 100µm
- Between 0.6 mm and 1.1 mm, 2 x Sigma Guardian Flex at 100 µm
- Between 1.1 mm and 1.5 mm, 2 x Sigma Guardian Flex at 150 µm
- Between 1.5 mm and 1.9 mm 2 x Sigma Guardian Flex at 250 µm

**Application Conditions**

- Slight texture when applied by roller
- Smooth finish when applied by spray

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**INDEPENDENT TESTS**

**Low Flam Spread**

- BS 476: part 7 :1997 = Class 1

**Crack Bridging**

- ASTM C 896:95 = 1.9mm

**Carbon Dioxide Diffusion**

- EN ISO 1062-6 µCO₂ = 416.00 Sd CO₂ (m) 125 @ 300 µm

**Water Vapor Transmission**

- ASTM E 96 = 3.6 g/h/m²

**Adhesive Strength**

- ASTM D4541:02 = 1.0 N/mm²

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**METHODS OF APPLICATION**

**Application Methods**

- Brush & Roller
- Hopper Gun
- Airless Spray

**Recommended Thinner**

- Sweet water

<table>
<thead>
<tr>
<th>Method</th>
<th>Volume of Thinner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brush &amp; Roller</td>
<td>0 – 15%</td>
</tr>
<tr>
<td>Hopper Gun</td>
<td>0 – 15%</td>
</tr>
<tr>
<td>Airless Spray</td>
<td>0 – 15%</td>
</tr>
</tbody>
</table>

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**SAFETY PRECAUTIONS**

- See safety sheet 1570 for information on LEL and TLV values

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**ENVIRONMENTAL**

- Complies with VOC specifications for non flat such as LEED VOC < 50g/l

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**REFERENCES**

- Explanation to product data sheets on information sheet 1551