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## DESCRIPTION

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

## PRINCIPAL CHARACTERISTICS

- 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
- non toxic
- no objectionable odour
- textured and smooth finishes possible
- independantly certified
- conforms to Environmental Specifications

## COLOUR AND GLOSS

Sigma standard colour selection – silk

## BASIC DATA AT 20 °C

**Specific Gravity**

approx. 1.43 g/cm<sup>3</sup>

**Solids content**

approx. 52% ± 2% by volume

**Theoretical spreading rate**

approx. 10.8m<sup>2</sup>/ltr @ 50µm      approx 5.4m<sup>2</sup>/ltr @ 100µm  
depending on the nature and condition of the substrate and the application method employed

**Touch dry after**

approx. 2 hours

**Overcoating interval**

min. 16 hours  
max. no limitations

**Shelf life (cool,dry place)**

18 months

**Flashpoint**

above 65 °C

**Available pack size**

15 ltr

## RECOMMENDED SUBSTRATE CONDITIONS

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

Please turn

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## 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

## 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

### Crack Bridging

- ASTM C 896:95 = 1.9mm

### Carbon Dioxide Diffusion

- EN ISO 10 62-6 µCO<sub>2</sub> = 416.00 Sd CO<sub>2</sub> (m) 125 @ 300 µm

### Water Vapor Transmission

- ASTM E 96 = 3.6 g/h/m<sup>2</sup>

### Adhesive Strength

- ASTM D4541:02 = 1.0 N/mm<sup>2</sup>

## INSTRUCTIONS FOR USE

### Application Methods

Brush & Roller

Hopper Gun

Airless Spray

### Recommended thinner

sweet water

sweet water

sweet water

### Volume of thinner

0 – 15%

0 – 15%

0 – 15%

## SAFETY PRECAUTIONS



see safety sheets 1570 and 1571 for information on LEL and TLV values

## ENVIRONMENTAL



Complies with VOC specifications such as LEED VOC < 50g/l

## REFERENCES

explanation to product data sheets on information sheet 1551