

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	<ul style="list-style-type: none">- 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
COLOUR AND GLOSS	Sigma standard colour selection – silk
BASIC DATA AT 20 °C	
Specific Gravity	approx. 1.43 g/cm ³
Solids content	approx. 52% ± 2% by volume
Theoretical spreading rate	approx. 10.8m ² /ltr @ 50µm approx 5.4m ² /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 <ul style="list-style-type: none">- 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

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

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 10 62-6 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

METHODS OF APPLICATION

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 sheet 1570 for information on LEL and TLV values

ENVIRONMENTAL



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

REFERENCES

explanation to product data sheets on information sheet 1551