SIGMA CONCRETE FILLER

January 2014

DESCRIPTION

premium quality lime free repair filler based on an alkali resistant copolymers. developed for the filling of cracks and surface imperfections in concrete and cement based building materials

PRINCIPAL CHARACTERISTICS

- for interior or exterior use
- excellent filling smoothing and leveling properties
- alkali resistant and unsaponifiable
- smooth surface produced
- very good adhesion to primed substrates
- high cohesive strength
- suitable for over-coating with various paint types
- emulsion finishes may be applied direct
- may be applied up to 2mm per coat
- multiple coats may be applied
- conforms to environmental specifications

COLOUR AND GLOSS

off white – flat

BASIC DATA AT 20 °C

Mass density
approx. 1.9g/cm³

Solids content
approx. 77% ± 2% by weight  approx. 60% ± 2% by volume

Recommended dry film
200µm – 2mm per layer
(above 2 mm per layer if mixed with cement or gypsum)

Theoretical spreading rate
approx. 2.5kg/m² @ 2mm  approx. 3m²/litre @ 200µm
depending on the nature and condition of the substrate and the application method employed

Overcoating interval
4-8 hours depending on thickness applied
max. no limitation

Touch dry after
approx. 2 hours

Shelf life (cool, dry place)
12 months

Flashpoint
above 65 °C

Available pack size
1 usg, 25 kg

RECOMMENDED SUBSTRATE CONDITIONS

new primed substrates:
- dry and free from mortar splashes
- all surface contamination and dust must be removed
- crack should be raked out before filling

Please turn
**SIGMA CONCRETE FILLER**

**0896**

January 2014

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### RECOMMENDED SUBSTRATE CONDITIONS

- previously painted (maintenance)
- remove all contamination, loose and flaking paint from the surface
- when used for patching work, spot prime all bare areas
- cracks must be raked out and primed before filling.

### SYSTEM SPECIFICATION

**Recommended primers**

- 0852 Sigma Acrylic Primer Sealer
- 0804 Sigafix Primer

**Recommended finish types**

- Sigma smooth, textured, water and solvent borne type finishes

### METHOD OF APPLICATION

**TOOLS**

- stainless steel filling knife, trowel or Swedish knife

**Recommended thinner**

- sweet water
- with addition of grey cement or gypsum use 1 part volume of Sigma Ebrodur mixed with 4 parts volume of sweet water

**Volume of thinner**

- 0 - 3%

**NOTE:**

- to reach higher thickness, over 2 mm, use 4 volume parts of 0896 Sigma Concrete Filler and 1 volume part cement or gypsum.
- add sufficient of the Sigma Ebrodur/water mixture to achieve a workable mixture

### 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

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