

SIGMACOVER 900**(SIGMARITE FILLER SF)**

3 pages

September 2005
Revision of October 2004**DESCRIPTION**

two component solvent free amine cured epoxy filler

PRINCIPAL CHARACTERISTICS

- excellent adhesion to concrete and steel
- holes up to 3 cm can be filled in one application
- can be used to smoothen a rough substrate
- good insulating properties for dielectric shielding of impressed current anodes of cathodic protection system
- no shrinkage

COLOURS AND GLOSS

grey (base - offwhite, hardener - black) - gloss

BASIC DATA AT 20°C(1 g/cm³ = 8.25 lb/US gal; 1 m²/l = 40.7 ft²/US gal)
(data for mixed product)

Mass density

1.8 g/cm³

Volume solids

100%

VOC (supplied)

max. 3 g/kg (Directive 1999/13/EC, SED)

max. 5 g/l (approx. 0.0 lb/gal)

see information sheet 1411

Overcoating interval

min. 24 hours *

max. 7 days * (without abrading)

Full cure after

7 days *

Sandpapering possible after

24 hours

(data for components)

Shelf life (cool and dry place)

at least 12 months

Flash point

base and hardener above 65°C

* see additional data

RECOMMENDED**SUBSTRATE CONDITIONS
AND TEMPERATURES**

- steel; blast cleaned to ISO-Sa2½
- concrete; cleaned from grease, dust and loose particles, preferably blast cleaned
- previous suitable coat; dry and free from any contamination and sufficiently roughened if necessary
- substrate temperature and temperature of SigmaCover 900 have influence on the application properties: at low temperature application is less easy and at too high temperature sag resistance is decreased

INSTRUCTIONS FOR USE

mixing ratio by volume: base to hardener 70 : 30

- mix thoroughly and slowly, avoid air entrapment
- temperature of base and hardener should be above 15°C
- no thinner should be added

Pot life

to be used within 45 min. at 20°C *

* see additional data

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- APPLICATION** by means of a putty knife (avoid inclusion of air)
- CLEANING SOLVENT** Sigma thinner 90-83 (preferred) or Sigma thinner 90-53
- SAFETY PRECAUTIONS** for paint and recommended thinners see safety sheets 1430, 1431 and relevant material safety data sheets
- although this is a solvent free paint, care should be taken to avoid inhalation of spray mist as well as contact between the wet paint and exposed skin or eyes

ADDITIONAL DATA

Overcoating table for solvent borne coatings

substrate temperature	5°C	10°C	20°C	30°C	40°C
minimum interval	3 days	2 days	1 day	10 hours	8 hours
maximum interval	20 days	14 days	7 days	3 days	2 days

– surface should be dry and free from any contamination

Overcoating table for solvent free coatings

minimum interval	directly after application
maximum interval	see overcoating table for solvent borne coatings

Pot life (at application viscosity)

15°C	to be used within 120 min.
20°C	to be used within 45 min.
30°C	to be used within 45 min.
40°C	to be used within 30 min.

Worldwide availability

Whilst it is always the aim of Sigma Coatings to supply the same product on a worldwide basis, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

REFERENCES

- Explanation to product data sheets see information sheet 1411
- Safety indications see information sheet 1430
- Safety in confined spaces and health safety
- Explosion hazard - toxic hazard see information sheet 1431

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LIMITATION OF LIABILITY

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Sigma Coatings has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. Sigma Coatings does therefore not accept any liability arising from loss, injury or damage resulting from such use or the contents of this data sheet (unless there are written agreements stating otherwise).

The data contained herein are liable to modification as a result of practical experience and continuous product development. This data sheet replaces and annuls all previous issues and it is therefore the user's responsibility to ensure that this sheet is current prior to using the product.

The English text of this document shall prevail over any translation thereof.

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