

SIGMACOVER 900

3 pages

October 2009
Revision of September 2005

DESCRIPTION	two component solvent free amine cured epoxy filler
PRINCIPAL CHARACTERISTICS	<ul style="list-style-type: none"> - 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/cm ³ = 8.25 lb/US gal; 1 m ² /l = 40.7 ft ² /US gal) (data for mixed product)
Mass density	1.8 g/cm ³
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 *
Full cure after	7 days *
Sandpapering possible after	24 hours (data for components)
Shelf life (cool and dry place)	at least 12 months * see additional data
RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES	<ul style="list-style-type: none"> - steel; blast cleaned to ISO-Sa2½, blasting profile 75 - 100 µm - concrete; cleaned from grease, dust and loose particles, preferably blast cleaned - moisture content of concrete should be max. 4% - 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	<p>mixing ratio by volume: base to hardener 70 : 30</p> <ul style="list-style-type: none"> - 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
APPLICATION	by means of a putty knife (avoid inclusion of air)

SIGMACOVER 900

October 2009

CLEANING SOLVENT Thinner 90-83 (preferred) or 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	120 min.
20°C	45 min.
30°C	30 min.
40°C	20 min.

Worldwide availability Whilst it is always the aim of PPG Protective & Marine 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

SIGMACOVER 900

October 2009

LIMITATION OF LIABILITY

The information in this data sheet is based upon laboratory tests we believe to be accurate and is intended for guidance only. All recommendations or suggestions relating to the use of the Sigma Coatings products made by PPG Protective & Marine Coatings, whether in technical documentation, or in response to a specific enquiry, or otherwise, are based on data which to the best of our knowledge are reliable. The products and information are designed for users having the requisite knowledge and industrial skills and it is the end-user's responsibility to determine the suitability of the product for its intended use.

PPG Protective & Marine 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. PPG Protective & Marine 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.

	PDS	7493
123092	grey	5000051150