



# New Guard Coatings Group

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This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

[www.newguardcoatings.com](http://www.newguardcoatings.com)

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# SIGMACOVER™ 900

## DESCRIPTION

Two-component, solvent-free, amine-cured epoxy filler

## PRINCIPAL CHARACTERISTICS

- Excellent adhesion to concrete and steel
- Holes up to 3 cm (1.18 inch) 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

## COLOR AND GLOSS LEVEL

- Gray (base: offwhite; hardener: black)
- Gloss

## BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Mass density	1.8 kg/l (15.0 lb/US gal)
Volume solids	100%
VOC (Supplied)	Directive 1999/13/EC, SED: max. 3.0 g/kg max. 5.0 g/l (approx. 0.0 lb/US gal)
Overcoating Interval	Minimum: 24 hours Maximum: 7 days
Full cure after	7 days
Shelf life	Base: at least 24 months when stored cool and dry Hardener: at least 24 months when stored cool and dry

### Notes:

- See ADDITIONAL DATA – Overcoating intervals
- See ADDITIONAL DATA – Spreading rate and film thickness
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## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

### Substrate conditions

- Steel; blast cleaned to ISO-Sa2½, blasting profile 75 – 100 µm (3.0 – 4.0 mils)
- Concrete; cleaned from grease, dust and loose particles, preferably blast cleaned
- Moisture content of concrete should be maximum 4 %
- Previous coat: surface should be sufficiently roughened if necessary
- Previous suitable coat must be dry and free from any contamination



**PPG Protective & Marine Coatings**

Bringing innovation to the surface.™

# SIGMACOVER™ 900

## Substrate temperature and application conditions

- 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

- Temperature of base and hardener should be above 15°C (59°F)
- Mix thoroughly and slowly, avoid air entrapment
- No thinner should be added

### Pot life

45 minutes at 20°C (68°F)

Note: See ADDITIONAL DATA – Pot life

### Application

- By means of a putty knife (avoid inclusion of air)
- Sandpapering possible after 24 hours

### Cleaning solvent

THINNER 90-83 (preferred) or THINNER 90-53

## ADDITIONAL DATA

Overcoating interval for DFT up to 100 µm (4.0 mils)						
Overcoating with...	Interval	5°C (41°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)	40°C (104°F)
solvent-borne coatings	Minimum	3 days	48 hours	24 hours	10 hours	8 hours
	Maximum	20 days	14 days	7 days	3 days	48 hours

Note: Surface should be dry and free from any contamination

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## Overcoating interval for DFT up to 100 µm (4.0 mils)

Overcoating with...	Interval	20°C (68°F)
solvent-free coatings	Minimum	Directly after application
	Maximum	See overcoating for solvent-borne coatings

## Pot life (at application viscosity)

Mixed product temperature	Pot life
15°C (59°F)	2 hours
20°C (68°F)	45 minutes
30°C (86°F)	30 minutes
40°C (104°F)	20 minutes

## SAFETY PRECAUTIONS

- For paint and recommended thinners see INFORMATION 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

## WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective and Marine Coatings to supply the same product on a worldwide basis. However, 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	INFORMATION SHEET	1411
• SAFETY INDICATIONS	INFORMATION SHEET	1430
• SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD – TOXIC HAZARD	INFORMATION SHEET	1431

## WARRANTY

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

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