

SIGMAGLIDE 890

3 pages

March 2010
Revision of April 2009

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|--|---|
| DESCRIPTION | two component silicone based finish for fouling release system |
| PRINCIPAL CHARACTERISTICS | <ul style="list-style-type: none"> – non-toxic, fouling release coating for ships, installations and sea water intakes under all fouling conditions – for use at newbuilding or maintenance |
| COLOURS AND GLOSS | redbrown (other colours on request) - 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 | 1.1 g/cm ³ |
| Volume solids | 77 ± 2% |
| VOC (supplied) | max. 196 g/kg (Directive 1999/13/EC, SED) max. 215 g/l (approx. 1.8 lb/gal) |
| Recommended dry film thickness | 150 µm |
| Theoretical spreading rate | 5.1 m ² /l for 150 µm |
| Touch dry after | 1 hour |
| Overcoating interval | min. 2 hours * |
| Refloating time | min. 8 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"> – for new Buildings or spot/full blast, SigmaGlide 890 should only be applied over SigmaGlide 790 – as a re-refresh coat, SigmaGlide 890 can be applied over itself in line with PPG Protective & Marine Coatings SigmaGlide General Working Procedure – previous coat; dry and free from any contamination – substrate temperature should be above 5°C and at least 3°C above dew point – maximum relative humidity during application and curing is 85% – relative humidity should be above 40% |
| SYSTEM SPECIFICATION | <p>marine system sheet: 3127</p> <p>In order to achieve optimal performance from the SigmaGlide system, the individual SigmaGlide products must be applied in strict accordance with the minimum specified dry film thickness and also with the PPG Protective & Marine Coatings SigmaGlide General Working Procedure.</p> <p>Please consult PPG Protective & Marine Coatings for details of the application procedure which has been prepared to the best of our knowledge and in accordance with World-wide application best practices in order to ensure optimal workmanship and application results.</p> |

SIGMAGLIDE 890

March 2010

INSTRUCTIONS FOR USE

mixing ratio by volume: base to hardener 80 : 20

- open drum just before use
- stir base well before use for 5 minutes
- add hardener to the base and stir well again for at least 5 minutes
- no thinner should be added
- all equipment must be thoroughly cleaned prior to use and before re-use with other materials, to prevent contamination
- overspray on paint which will not be recoated with the SigmaGlide 890 should be avoided as much as possible

Induction time

none

Pot life

4 hours at 20°C *
* see additional data

AIRLESS SPRAY

Recommended thinner

no thinner should be added

Nozzle angle

from 35° to 60°, depending on nozzle orifice

Nozzle orifice

approx. 0.43 - 0.53 mm (= 0.017 - 0.021 in)

Nozzle pressure

15 - 20 MPa (= approx. 150 - 200 bar; 2130 - 2800 p.s.i.)

BRUSH/ROLLER

for small areas only (touch up and repair)

CLEANING SOLVENT

- Thinner 90-83 or 50/50 mixture of Thinner 21-06 and Thinner 50-02
- please note that used cleaning solvent must not be allowed to contaminate other paints

SAFETY PRECAUTIONS

for paint and recommended thinners see safety sheets 1430, 1431 and relevant material safety data sheets

this is a solvent borne paint and care should be taken to avoid inhalation of spray mist or vapour as well as contact between the wet paint and exposed skin or eyes

ADDITIONAL DATA

Overcoating table for SigmaGlide 890 with itself at a dft up to 150 µm

| substrate temperature | 10°C | 20°C | 30°C | 40°C |
|-----------------------|---------|---------|---------|---------|
| minimum interval | 3 hours | 2 hours | 1 hour | 1 hour |
| refloating | 8 hours | 8 hours | 8 hours | 8 hours |

- surface should be dry and free from any contamination
- relative humidity should be above 40%

SIGMAGLIDE 890

March 2010

Pot life (at application viscosity)

| | |
|------|---------|
| 10°C | 6 hours |
| 20°C | 4 hours |
| 30°C | 2 hours |

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

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|---|----------------------------|
| 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 |
| PPG Protective & Marine Coatings' General working procedure for application of SigmaGlide | |

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.

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| | PDS | 7399 |
| 236471 | redbrown | 2008002200 |
| 240643 | white | 7000001250 |