PPG SIGMAGLIDE® 2390

DESCRIPTION

100% Pure silicone biocide free fouling release finish coat based on PPG HydroReset Technology

PRINCIPAL CHARACTERISTICS

- Excellent fouling resistance and release performance
- Low slime pick-up and easy slime release
- Reduces vessel's fuel consumption
- Regenerating surface, long lasting properties
- High volume solids
- Contributes to minimizing the environmental footprint
- For use at new-building, refurbishment and maintenance
- Silicone chemistry provides performance up to 90+ months

COLOR AND GLOSS LEVEL

- Redbrown, Dark Blue and Black (other colors available on request)
- Gloss

BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Mass density	1.1 kg/l (9.2 lb/US gal)
Volume solids	85 ± 2%
VOC (Supplied)	Directive 2010/75/EU, SED: max. 131.0 g/kg max. 146.0 g/l (approx. 1.2 lb/US gal)
Recommended dry film thickness	200 µm (8.0 mils)
Theoretical spreading rate	4.7 m^2/l for 180 µm (197 ft^2/US gal for 7.1 mils)
Dry to touch	2 hours
Dry to handle	20 hours
Overcoating Interval	Minimum: 3 hours
Shelf life	Base: at least 36 months when stored cool and dry Hardener: at least 36 months when stored cool and dry

Note:

- See ADDITIONAL DATA – Overcoating intervals

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RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Substrate conditions

- For new-buildings or spot/full blast, SIGMAGLIDE 2390 should only be applied over SIGMAGLIDE 790
- As a refresh coat, SIGMAGLIDE 2390 can be applied over SIGMAGLIDE 1290 in line with PPG Protective & Marine Coatings SIGMAGLIDE GENERAL WORKING PROCEDURE
- Previous coat must be dry and free from any contamination

Substrate temperature and application conditions

- Substrate temperature during application and curing should be above 5°C (41°F)
- Substrate temperature during application and curing should be at least 3°C (5°F) above dew point
- Relative humidity during application and curing should be between 40% and 85%

SYSTEM SPECIFICATION

- 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. 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 worldwide application best practices in order to ensure optimal workmanship and application results.

INSTRUCTIONS FOR USE

Mixing ratio by volume: base to hardener 4:1

- 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
- 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 2390, should be avoided as much as possible

Induction time

0 minute

Note:

- No induction time required

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Pot life

4 hours at 20°C (68°F)

Note:

- See ADDITIONAL DATA – Pot life

Airless spray

Recommended thinner

THINNER 21-06

Volume of thinner

0 - 3%

Nozzle angle

35° – 60°, depending on nozzle orifice

Nozzle orifice

Approx. 0.43 – 0.53 mm (0.017 – 0.021 in)

Nozzle pressure

15.0 - 20.0 MPa (approx. 150 - 200 bar; 2176 - 2901 p.s.i.)

Brush/roller

- For small areas only (touch up and repair)

Cleaning solvent

- THINNER 90-53 or THINNER 90-83
- The used cleaning solvent must not be allowed to contaminate other paints

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ADDITIONAL DATA

Overcoating interval for DFT up to 200 µm (8.0 mils)						
Overcoating with...	**Interval**	**5°C (41°F)**	**10°C (50°F)**	**20°C (68°F)**	**30°C (86°F)**	**40°C (104°F)**
itself	Minimum	8 hours	4 hours	3 hours	2 hours	2 hours
	Refloating - Minimum	36 hours	24 hours	20 hours	16 hours	12 hours

Notes:

- Relative humidity should be above 40%
- Surface should be dry and free from any contamination

Pot life (at application viscosity)	
Mixed product temperature	**Pot life**
10°C (50°F)	6 hours
20°C (68°F)	4 hours
30°C (86°F)	2 hours

SAFETY PRECAUTIONS

- See Safety Data Sheet and product label for complete safety and precaution requirements
- This is a solvent-borne paint and care should be taken to avoid inhalation of spray mist or vapor, as well as contact between the wet paint and exposed skin or eyes

WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective & 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

- Information sheet | Explanation of product data sheets

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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