

SIGMA ECOFLEET 200

DESCRIPTION

Tin-free self polishing antifouling

PRINCIPAL CHARACTERISTICS

- Designed as the antifouling system suitable for maintenance and repair dry/dockings for direct application over existing antifouling in good condition
- TBT-free self-polishing antifouling with good weathering properties for atmospheric resistance during vessel construction and in-service
- Controlled polishing rate to give effective protection in accordance with the specified dry film thickness
- Complies with IMO Antifouling Systems Convention

COLOR AND GLOSS LEVEL

- Redbrown, brown
- Flat

BASIC DATA AT 20°C (68°F)

Data for product	
Number of components	One
Mass density	1.4 kg/l (11.7 lb/US gal)
Volume solids	45 ± 2%
VOC (Supplied)	max. 506.0 g/l (approx. 4.2 lb/US gal)
Recommended dry film thickness	75 - 150 µm (3.0 - 6.0 mils) depending on system
Theoretical spreading rate	6.0 m ² /l for 75 µm (241 ft ² /US gal for 3.0 mils) 4.5 m ² /l for 100 µm (180 ft ² /US gal for 4.0 mils)
Dry to touch	1 hour
Overcoating Interval	Minimum: 6 hours
Refloating time	Minimum: 8 hours
Shelf life	At least 12 months when stored cool and dry

Note: See ADDITIONAL DATA – Spreading rate and film thickness

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Substrate conditions

- Suitable high performance anticorrosive tiecoats
- For the epoxy anticorrosive system SIGMACOVER 555 should be used as a tiecoat
- Previous coat must be sound, dry and free from any contamination

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Substrate temperature and application conditions

- Substrate temperature during application should be at least 3°C (5°F) above dew point

INSTRUCTIONS FOR USE

- The paint should be stirred well before use, preferably by means of a mechanical mixer, to ensure homogeneity

Airless spray**Recommended thinner**

THINNER 21-06

Volume of thinner

0 - 3%, depending on required thickness and application conditions

Nozzle orifice

Approx. 0.53 – 0.69 mm (0.021 – 0.027 in)

Nozzle pressure

12.0 - 15.0 MPa (approx. 120 - 150 bar; 1741 - 2176 p.s.i.)

Brush/roller

- Only for touch-up and spot repair

Recommended thinner

THINNER 21-06

Volume of thinner

0 - 3%

Cleaning solvent

THINNER 21-06

ADDITIONAL DATA

Spreading rate and film thickness	
DFT	Theoretical spreading rate
75 µm (3.0 mils)	6.0 m ² /l (241 ft ² /US gal)
100 µm (4.0 mils)	4.5 m ² /l (180 ft ² /US gal)

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Overcoating interval for DFT up to 150 µm (6.0 mils)

Overcoating with...	Interval	5°C (41°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)
itself	Minimum	12 hours	10 hours	6 hours	4 hours
	Refloating - Minimum	24 hours	12 hours	8 hours	6 hours

Notes:

- For systems with more than two layers of antifouling minimum drying time before overcoating and minimum time before refloating should be increased
- Longer drying times may be necessary at higher DFT and under unfavorable atmospheric conditions
- The above data are a fair indication for normal application conditions

SAFETY PRECAUTIONS

- For paint and recommended thinners see INFORMATION 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 vapor, 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

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| • 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 |

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