



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.

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NORTH • SOUTH EAST • MIDLANDS • NORTH WEST • HULL • SCOTLAND

SIGMARINE™ 48

DESCRIPTION

General purpose gloss paint based on an alkyd-modified resin

PRINCIPAL CHARACTERISTICS

- Particularly suitable as a finish for boottop, topside, deck and deck equipment
- A quick-drying, hard, tough, water- and weather-resistant coating with moderate gloss retention
- Can be applied over most intact alkyd paints
- This coating is particularly suitable for areas intermittently exposed to water-immersion and atmospheric conditions
- Also available with non-skid material (supplied separately) for use on deck surfaces

COLOR AND GLOSS LEVEL

- White and various other colors (see also SIGMACARE shade card)
- Gloss

BASIC DATA AT 20°C (68°F)

Data for product	
Number of components	One
Mass density	1.0 kg/l (8.3 lb/US gal)
Volume solids	White: 44 ± 3%
VOC (Supplied)	Directive 1999/13/EC, SED: max. 400.0 g/kg max. 453.0 g/l (approx. 3.8 lb/US gal)
Recommended dry film thickness	35 µm (1.4 mils) per coat
Theoretical spreading rate	12.6 m ² /l for 35 µm (504 ft ² /US gal for 1.4 mils)
Dry to touch	3 hours
Overcoating Interval	Minimum: 24 hours Maximum: Unlimited
Shelf life	At least 24 months when stored cool and dry

Notes:

- See ADDITIONAL DATA - Overcoating intervals
- See ADDITIONAL DATA - Curing time

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Substrate conditions

- Previous suitable coat must be dry and free from any contamination
- Previous coat: surface should be sufficiently roughened if necessary



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Substrate temperature and application conditions

- Substrate temperature during application should not exceed 50°C (122°F)
 - Substrate temperature during application should be at least 3°C (5°F) above dew point
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SYSTEM SPECIFICATION

- SYSTEMS FOR BOOTTOP AND TOPSIDE – SYSTEM SHEET 3102
 - SYSTEMS FOR SUPERSTRUCTURE AND DECK FITTINGS – SYSTEM SHEET 3104
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INSTRUCTIONS FOR USE

- Stir well before use
 - The temperature of the paint should preferably be above 15°C (59°F), otherwise extra thinner may be required to obtain application viscosity
 - Adding too much thinner results in reduced sag resistance
 - Adequate ventilation must be maintained during application and curing (please refer to INFORMATION SHEETS 1433 and 1434)
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Air spray

Recommended thinner

THINNER 20-05

Volume of thinner

10 - 15%, depending on required thickness and application conditions

Nozzle orifice

2.0 – 3.0 mm (approx. 0.079 – 0.110 in)

Nozzle pressure

0.3 - 0.4 MPa (approx. 3 - 4 bar; 44 - 58 p.s.i.)

Airless spray

Recommended thinner

THINNER 20-05

Volume of thinner

0 - 2%, depending on required thickness and application conditions

Nozzle orifice

Approx. 0.48 mm (0.019 in)

Nozzle pressure

8.0 - 12.0 MPa (approx. 80 - 120 bar; 1161 - 1741 p.s.i.)

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Brush/roller**Recommended thinner**

THINNER 20-05

Volume of thinner

0 - 2%

Cleaning solvent

THINNER 20-05

Overcoating interval for DFT up to 35 µm (1.4 mils)

Overcoating with...	Interval	5°C (41°F)	20°C (68°F)
itself	Minimum	32 hours	24 hours
	Maximum	Unlimited	Unlimited

Curing time for DFT up to 35 µm (1.4 mils)

Substrate temperature	Dry to touch
5°C (41°F)	5 hours
20°C (68°F)	3 hours

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.

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REFERENCES

• CONVERSION TABLES	INFORMATION SHEET	1410
• 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
• SAFE WORKING IN CONFINED SPACES	INFORMATION SHEET	1433
• DIRECTIVES FOR VENTILATION PRACTICE	INFORMATION SHEET	1434
• RELATIVE HUMIDITY – SUBSTRATE TEMPERATURE – AIR TEMPERATURE	INFORMATION SHEET	1650

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