



New Guard Coatings Group

A global reputation to protect.

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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™ 40

DESCRIPTION

Alkyd undercoating

PRINCIPAL CHARACTERISTICS

- Suitable in alkyd paint systems
- Recoatable with various one component products
- Especially formulated for maintenance work by brush or roller
- Good adhesion to anticorrosive primers and old paint systems
- Easy application by brush with excellent flow, giving a smooth, semi-gloss appearance
- Good drying properties even at low temperatures

COLOR AND GLOSS LEVEL

- White (other colors available on request)
- Semi-gloss

BASIC DATA AT 20°C (68°F)

Data for product	
Number of components	One
Mass density	1.2 kg/l (10.0 lb/US gal)
Volume solids	45 ± 2%
VOC (Supplied)	Directive 1999/13/EC, SED: max. 339.0 g/kg max. 412.0 g/l (approx. 3.4 lb/US gal)
Recommended dry film thickness	35 µm (1.4 mils)
Theoretical spreading rate	12.9 m ² /l for 35 µm (516 ft ² /US gal for 1.4 mils)
Dry to touch	2 hours
Overcoating Interval	Minimum: 16 hours Maximum: Unlimited
Shelf life	At least 24 months when stored cool and dry

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Substrate conditions

- Suitable primer must be dry and free from any contamination
- Existing coating must be compatible, even, dry and free from any contamination
- Not suitable for zinc primed steel

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 SUPERSTRUCTURE AND DECK FITTINGS – SYSTEM SHEET 3104
 - SYSTEMS FOR INTERIOR(S) – SYSTEM SHEET 3105
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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

15 - 20%, depending on required thickness and application conditions

Nozzle orifice

1.8 - 2.0 mm (approx. 0.070 - 0.079 in)

Nozzle pressure

0.4 MPa (approx. 4 Bar; 51 p.s.i.)

Airless spray

Recommended thinner

THINNER 20-05

Volume of thinner

5 - 10%, depending on required thickness and application conditions

Nozzle orifice

Approx. 0.43 mm (0.017 in)

Nozzle pressure

15.0 MPa (approx. 150 bar; 2176 p.s.i.)

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Brush/roller

Recommended thinner

THINNER 20-05

Volume of thinner

0 – 2%

Cleaning solvent

THINNER 20-05

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

• 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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