

# SIGMARINE™ 80

## DESCRIPTION

Finishing coat based on an alkyd-modified petroleum resin, pigmented with aluminum

## PRINCIPAL CHARACTERISTICS

- For use in dry cargo holds
- Brilliant appearance and good protective properties
- Good impact resistance

## COLOR AND GLOSS LEVEL

- Aluminum
- 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	47 ± 2%
VOC (Supplied)	Directive 1999/13/EC, SED: max. 422.0 g/kg max. 413.0 g/l (approx. 3.4 lb/US gal)
Recommended dry film thickness	25 µm (1.0 mils) per coat
Theoretical spreading rate	18.8 m²/l for 25 µm (754 ft²/US gal for 1.0 mils)
Dry to touch	45 minutes
Overcoating Interval	Minimum: 6 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

### Substrate temperature and application conditions

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

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## SYSTEM SPECIFICATION

- SYSTEMS FOR CARGO HOLDS – SYSTEM SHEET 3107
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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**

No extra thinner needed

**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.)

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### Airless spray

**Recommended thinner**

No extra thinner needed

**Nozzle orifice**

Approx. 0.38 mm (0.015 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**

No extra thinner needed

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### Cleaning solvent

THINNER 20-05

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## ADDITIONAL DATA

### Overcoating interval for DFT up to 25 µm (1.0 mils)

Overcoating with...	Interval	5°C (41°F)	10°C (50°F)	20°C (68°F)
itself	Minimum	8 hours	8 hours	6 hours
	Maximum	Unlimited	Unlimited	Unlimited

### Curing time for solvent-free application

Substrate temperature	Dry to touch
5°C (41°F)	1.5 hours
10°C (50°F)	1.5 hours
20°C (68°F)	45 minutes

## 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

• 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

## WARRANTY

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