

# 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 <sup>2</sup> /l for 35 µm (504 ft <sup>2</sup> /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.)

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### **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

## WARRANTY

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