

# 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 <sup>2</sup> /l for 35 µm (516 ft <sup>2</sup> /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.)

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### 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

**WARRANTY**

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