SIGMARINE 40

3 pages

July 2009
Revision of April 2007

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 eggshell appearance
- good drying properties even at low temperatures

COLOURS AND GLOSS

white (other colours on request) - eggshell

BASIC DATA AT 20°C

(1 g/cm³ = 8.25 lb/US gal; 1 m²/l = 40.7 ft²/US gal)

Mass density	1.2 g/cm³
Volume solids	45 ± 2%
VOC (supplied)	max. 339 g/kg (Directive 1999/13/EC, SED) max. 412 g/l (approx. 3.4 lb/gal)
Recommended dry film thickness	35 µm
Theoretical spreading rate	12.9 m²/l for 35 µm
Touch dry after	6 hours at 10°C, 2 hours at 20°C
Overcoating interval	min. 24 hours at 10°C, 16 hours at 20°C max. unlimited
Shelf life (cool and dry place)	at least 12 months

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- suitable primer; (e.g. Sigmarine 24) dry and free from any contamination
- previous suitable coat; dry and free from any contamination and sufficiently roughened if necessary
- not suitable for zinc primed steel
- substrate temperature should be at least 3°C above dew point but not above 50°C

SYSTEM SPECIFICATION

marine — system sheets: 3104, 3105

INSTRUCTIONS FOR USE

- stir well before use
- the temperature of the paint should preferably be above 15°C, otherwise extra thinner may be required to obtain application viscosity
- too much solvent results in reduced sag resistance
- adequate ventilation must be maintained during application and curing (please refer to sheets 1433 and 1434)

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 MPa (= approx. 150 bar; 2130 p.s.i.)

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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 mm
Nozzle pressure	0.35 MPa (= approx. 3.5 bar; 50 p.s.i.)

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 safety 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 vapour as well as contact between the wet paint and exposed skin or eyes

Worldwide availability Whilst it is always the aim of PPG Protective & Marine Coatings to supply the same product on a worldwide basis, 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	see information sheet 1411
Safety indications	see information sheet 1430
Safety in confined spaces and health safety	
Explosion hazard - toxic hazard	see information sheet 1431
Safe working in confined spaces	see information sheet 1433
Directives for ventilation practice	see information sheet 1434

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LIMITATION OF LIABILITY

The information in this data sheet is based upon laboratory tests we believe to be accurate and is intended for guidance only. All recommendations or suggestions relating to the use of the Sigma Coatings products made by PPG Protective & Marine Coatings, whether in technical documentation, or in response to a specific enquiry, or otherwise, are based on data which to the best of our knowledge are reliable. The products and information are designed for users having the requisite knowledge and industrial skills and it is the end-user's responsibility to determine the suitability of the product for its intended use.

PPG Protective & Marine Coatings has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. PPG Protective & Marine Coatings does therefore not accept any liability arising from loss, injury or damage resulting from such use or the contents of this data sheet (unless there are written agreements stating otherwise).

The data contained herein are liable to modification as a result of practical experience and continuous product development.
This data sheet replaces and annuls all previous issues and it is therefore the user's responsibility to ensure that this sheet is current prior to using the product.

The English text of this document shall prevail over any translation thereof.

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