

SIGMARINE 49

3 pages

 July 2009
 Revision of September 2005

DESCRIPTION	high gloss alkyd finishing coat
PRINCIPAL CHARACTERISTICS	<ul style="list-style-type: none"> - suitable for interior and exterior use - easy application by brush with excellent flow - good weather resistance - high opacity - good colour retention - gas proof: no discolouration with sulphur dioxide - not suitable for immersion in water or continuous splash of water - can be applied over most intact alkyd paints - certificate for low flame spread: see sheet 1883
COLOURS AND GLOSS	white (other colours on request) - gloss
BASIC DATA AT 20°C	(1 g/cm ³ = 8.25 lb/US gal; 1 m ² /l = 40.7 ft ² /US gal)
Mass density	0.9 - 1.2 g/cm ³ (colours) - 1.1 g/cm ³ (white)
Volume solids	50 - 55 ± 2% (colours) - 50 ± 2% (white)
VOC (supplied)	max. 360 g/kg (Directive 1999/13/EC, SED) (white) max. 407 g/l (approx. 3.4 lb/gal) (white)
Recommended dry film thickness	35 µm per coat
Theoretical spreading rate	14.3 - 15.7 m ² /l (colours) - 14.3 m ² /l (white) for 35 µm
Touch dry after	3 hours
Overcoating interval	min. 16 hours max. unlimited
Shelf life (cool and dry place)	at least 24 months
RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES	<ul style="list-style-type: none"> - previous suitable coat; (e.g. Sigmarine 40, Sigmarine 24) dry and free from any contamination and sufficiently roughened if necessary - 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	<ul style="list-style-type: none"> - 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	0 - 2%, depending on required thickness and application conditions
Nozzle orifice	approx. 0.48 mm (= 0.019 in)
Nozzle pressure	12 MPa (= approx. 120 bar; 1700 p.s.i.)

SIGMARINE 49

July 2009

AIR SPRAY

Recommended thinner	Thinner 20-05
Volume of thinner	10 - 15%, depending on required thickness and application conditions
Nozzle orifice	1.8 - 2 mm
Nozzle pressure	0.3 - 0.4 MPa (= approx. 3 - 4 bar; 43 - 57 p.s.i.)

BRUSH/ROLLER

Recommended thinner	Thinner 20-05
Volume of thinner	0 - 3%

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

SIGMARINE 49

July 2009

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.

	PDS	7240
136845	white	7000002200