

SIGMA VIKOTE 46

3 pages

 July 2009
 Revision of September 2005

DESCRIPTION	high build modified acrylic coating
PRINCIPAL CHARACTERISTICS	<ul style="list-style-type: none"> - build coat for above water areas - excellent anticorrosive properties - resistant to water and splash of mild chemicals - fast drying - can be applied at low temperatures, down to -10°C
COLOURS AND GLOSS	offwhite, black, light grey, dark grey, green, redbrown - flat
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	1.3 g/cm ³
Volume solids	44 ± 2%, depending on colour
VOC (supplied)	max. 391 g/kg (Directive 1999/13/EC, SED) max. 494 g/l (approx. 4.1 lb/gal)
Recommended dry film thickness	75 - 100 µm depending on system
Theoretical spreading rate	5.9 m ² /l for 75 µm, 4.4 m ² /l for 100 µm
Touch dry after	1 hour at 5°C, 30 min. at 20°C
Overcoating interval	min. 8 hours at 5°C, 4 hours at 20°C max. unlimited
Shelf life (cool and dry place)	at least 24 months
RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES	<ul style="list-style-type: none"> - previous coat; chlorinated rubber primer (e.g. Sigma Vikote 18) or modified acrylic coating (e.g. Sigma Vikote 46), dry and free from any contamination - substrate temperature should be at least 3°C above dew point
SYSTEM SPECIFICATION	marine system sheets: 3102, 3103, 3104
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 21-06
Volume of thinner	0 - 3%, depending on required thickness and application conditions
Nozzle orifice	approx. 0.48 - 0.58 mm (= 0.019 - 0.023 in)
Nozzle pressure	12 - 15 MPa (= approx. 120 - 150 bar; 1700 - 2130 p.s.i.)
AIR SPRAY	
Recommended thinner	Thinner 21-06
Volume of thinner	6 - 10%, 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.)

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BRUSH/ROLLER	max. dft per coat approx. 60 µm	
Recommended thinner	Thinner 21-06	
Volume of thinner	0 - 3%	
CLEANING SOLVENT	Thinner 21-06	
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.

	PDS	7350
165241	redbrown	2008002200
199617	lightgrey	5163002200
165242	darkgrey	5177002200
165243	green	4199002200
154043	offwhite	7001002200
154044	black	8000002200