

SigmaRite 2136

2 pages

January 2010

DESCRIPTION	high build micaceous iron oxide pigmented vinyl coating
PRINCIPAL CHARACTERISTICS	<ul style="list-style-type: none"> – excellent adhesion to weathered hot dipped galvanised steel – unsaponifiable – resistant to industrial atmospheric exposure
COLOURS AND GLOSS	black, medium grey, silver grey, light silver - 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) small deviations depending on colour
Mass density	1.5 g/cm ³
Volume solids	53 ± 2%
VOC (supplied)	max. 304 g/kg (Directive 1999/13/EC, SED) max. 484 g/l (approx. 4.0 lb/gal)
Recommended dry film thickness	75 µm depending on system
Theoretical spreading rate	7.1 m ² /l for 75 µm
Touch dry after	60 min. at 20°C, 3 hours at 5 - 10°C
Overcoating interval	min. 16 hours at a dft of 75 µm max. unlimited
Shelf life (cool and dry place)	at least 12 months
RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES	<ul style="list-style-type: none"> – weathered galvanised steel; dry and free from any contamination and zinc salts – fresh galvanised steel; sweep blasted to SPSS-Ss – previous coat; dry and free from any contamination – substrate temperature should be at least 3°C above dew point
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
AIRLESS SPRAY	
Recommended thinner	Thinner 21-06
Volume of thinner	8 - 10%, depending on required thickness and application conditions
Nozzle orifice	approx. 0.45 mm (= 0.018 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	10 - 15%, depending on required thickness and application conditions
Nozzle orifice	1.8 - 2 mm
Nozzle pressure	0.3 MPa (= approx. 3 bar; 43 p.s.i.)
BRUSH/ROLLER	
Recommended thinner	Thinner 21-06
Volume of thinner	0 - 5%

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CLEANING SOLVENT	Thinner 21-06								
SAFETY PRECAUTIONS	<p>for paint and recommended thinners see safety sheets 1430, 1431 and relevant material safety data sheets</p> <p>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</p>								
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	<table><tr><td>Explanation to product data sheets</td><td>see information sheet 1411</td></tr><tr><td>Safety indications</td><td>see information sheet 1430</td></tr><tr><td>Safety in confined spaces and health safety</td><td></td></tr><tr><td>Explosion hazard - toxic hazard</td><td>see information sheet 1431</td></tr></table>	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
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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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