

SIGMA PU 160 PRIMER

2 pages

April 2008

DESCRIPTION	one component moisture curing polyurethane primer
PRINCIPAL CHARACTERISTICS	<ul style="list-style-type: none"> – low temperature cure – good anticorrosive properties – excellent adhesion to galvanised steel and aluminium – ready for use – primer for maintenance situations
COLOURS AND GLOSS	red - 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	46 ± 2%
Recommended dry film thickness	40 µm
Theoretical spreading rate	11.5 m ² /l for 40 µm
Touch dry after	2 hours
Overcoating interval	min. 6 hours max. 6 months
Full cure after	3 days
Shelf life (cool and dry place)	at least 6 months
RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES	<ul style="list-style-type: none"> – steel; blast cleaned to ISO-Sa2½, blasting profile 40 - 70 µm or power tool cleaned to min. ISO-St3 – during application and curing a substrate temperature down to +5°C is acceptable – galvanised steel and aluminium; dry and free from any contamination and roughened (e.g. sandpapering, sweepblasting)
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 – take out working quantity from the tin and re-seal immediately to prevent moisture contamination in the can – adequate ventilation must be maintained during application and curing (please refer to sheet 1433 and 1434)
AIRLESS SPRAY	
Recommended thinner	Sigma thinner 21-06
Volume of thinner	0 - 5%, depending on required thickness and application conditions
Nozzle orifice	approx. 0.48 mm (= 0.019 in)
Nozzle pressure	15 MPa (= approx. 150 bar; 2130 p.s.i.)
BRUSH/ROLLER	
Recommended thinner	Sigma thinner 21-06
Volume of thinner	0 - 5%

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CLEANING SOLVENT	Sigma 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><tr><td>Safe working in confined spaces</td><td>see information sheet 1433</td></tr><tr><td>Directives for ventilation practice</td><td>see information sheet 1434</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	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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