

# SIGMA NUCOL MIO PRIMER

3 pages

January 2011  
Revision of January 2006

<b>DESCRIPTION</b>	high build anticorrosive micaceous iron ore primer based on chlorinated rubber
<b>PRINCIPAL CHARACTERISTICS</b>	<ul style="list-style-type: none"> <li>- special developed for protection of corroded weathered hotdip galvanised steel</li> <li>- good rust preventing properties</li> <li>- lead- and chromate free</li> <li>- unsaponifiable</li> <li>- resistant to industrial atmospheric exposure</li> <li>- resistant to splash and spillage of aqueous solutions</li> <li>- can be applied in a dft of max. 60 µm</li> <li>- easy to apply by spray, roller and brush</li> <li>- fast drying</li> <li>- meets Dutch specification 16-59 TG COT</li> </ul>
<b>COLOURS AND GLOSS</b>	pink - flat
<b>BASIC DATA AT 20°C</b>	(1 g/cm <sup>3</sup> = 8.25 lb/US gal; 1 m <sup>2</sup> /l = 40.7 ft <sup>2</sup> /US gal)
Mass density	1.4 g/cm <sup>3</sup>
Volume solids	45 ± 2%
VOC (supplied)	max. 435 g/kg (Directive 1999/13/EC, SED) max. 576 g/l (approx. 4.8 lb/gal)
Recommended dry film thickness	60 µm depending on system
Theoretical spreading rate	7.5 m <sup>2</sup> /l for 60 µm
Touch dry after	30 min. at 20°C, 3 hours at 5 - 10°C
Overcoating interval	min. 24 hours at a dft of 60 µm max. unlimited
Shelf life (cool and dry place)	at least 12 months
Flash point	36°C
<b>RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES</b>	<ul style="list-style-type: none"> <li>- corroded and weathered hot-dipped galvanised steel; thoroughly cleaned by wirebrushing</li> <li>- previous coat; dry and free from any contamination</li> </ul>
<b>INSTRUCTIONS FOR USE</b>	<ul style="list-style-type: none"> <li>- stir well before use</li> <li>- the temperature of the paint should preferably be above 15°C, otherwise extra thinner may be required to obtain application viscosity</li> <li>- too much solvent results in reduced sag resistance</li> </ul>
<b>AIRLESS SPRAY</b>	
Recommended thinner	Thinner 21-22
Volume of thinner	0 - 10%, depending on required thickness and application conditions
Nozzle orifice	approx. 0.45 mm (= 0.018 in)
Nozzle pressure	15 MPa (= approx. 150 bar; 2130 p.s.i.)

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## AIR SPRAY

Recommended thinner	Thinner 21-22
Volume of thinner	20 - 30%, 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 21-22
Volume of thinner	0 - 3%

## CLEANING SOLVENT

Thinner 21-22

## 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

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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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140292	pink	6007002200