

SIGMA ZINC CHROMATE SA 40

2 pages

May 2008
Revision of December 2000

DESCRIPTION	anti corrosion and adhesion primer for steel, based on modified alkyd resin
PRINCIPAL CHARACTERISTICS	<ul style="list-style-type: none"> - suitable for internal and external use - excellent anticorrosive properties - good flow properties - sustained dry heat resistance up to 120°C and up to 180°C for short periods - good adhesion to cold rolled steel and pretreated aluminium - lead free - easy to apply
COLOURS AND GLOSS	red brown – eggshell
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	1.4 g/cm ³
Volume solids	55± 2%
VOC (supplied)	max. 343 g/l (approx. 2.9 lb/gal)
Recommended dry film thickness	35 µm per coat
Theoretical spreading rate	15.7m ² /l for 35 µm
Touch dry after	2 hours at 20°C
Overcoating interval	min. 24 hours at 20°C max. unlimited
Shelf life (cool and dry place)	at least 12 months
RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES	<ul style="list-style-type: none"> - steel; blast cleaned to ISO-Sa2½ - steel; power tool cleaned to min. ISO-St2 - shop primed steel; sweep blasted or power tool cleaned to SPSS-Ss or SPSS-Pt2 - compatible previous coat; dry and free from any contamination - substrate temperature should be above 5°C and at least 3°C above dew point
SYSTEM SPECIFICATION	<ul style="list-style-type: none"> - to be used as a first coat in an alkyd system - best anticorrosive qualities will be obtained if applied in two coats
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 sheet 1433 and 1434)

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AIRLESS SPRAY

Recommended thinner	Sigma thinner 20-05
Volume of thinner	0 - 3%, depending on required thickness and application conditions
Nozzle orifice	approx. 0.43 - 0.48 mm (= 0.017 - 0.019 in)
Nozzle pressure	12 - 15 MPa (= approx. 120 - 150 bar; 1700 - 2130 p.s.i.)

BRUSH/ROLLER

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

CLEANING SOLVENT

Sigma 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 based 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 Sigma 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.

This product is not part of the Sigma Coatings global range and availability is depending on location.

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
Cleaning of steel and removal of rust	see information sheet 1490

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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Sigma Paints Saudi Arabia Ltd