

SIGMA ALUMINIUM PAINT SA 35

2 pages

May 2008
Revision of December 2000

DESCRIPTION	one component aluminium pigmented alkyd topcoat
PRINCIPAL CHARACTERISTICS	<ul style="list-style-type: none"> - high quality aluminium paint with a wide field of applications such as steel structures, pipelines and equipment in industrial and marine atmospheric exposure conditions - resistant to industrial gasses, hydrogen sulphide fumes, high humidity and spillage of gasoline - not for immersion or continuous wetting services - high brilliancy - heat resistance up to 150 °C
COLOURS AND GLOSS	aluminium - gloss
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	approx. 1.0g/cm ³
Volume solids	approx. 38% by volume
Recommended dry film thickness	25 µm per coat
Theoretical spreading rate	approx. 15 m ² /ltr (57 m ² /usg) for 25 µm, depending on the nature and condition of the substrate and the application method employed
Touch dry after	approx. 1 hour min. at 20°C
Dry to hanle	min. at 20°C
Overcoating interval	min. 16 hours hours max. unlimited
Shelf life (cool and dry place)	at least 12 months
RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES	<ul style="list-style-type: none"> - Sigma alkyd primer free from any contamination - substrate temperature should be above 5°C and at least 3°C above dew point
INSTRUCTIONS FOR USE	<p>Add first some binder to the aluminium paste and mix thoroughly. Then add this mixture to the remainder of the binder and keep stirring until paint has been mixed thoroughly. It is recommended to use a mechanical mixer if the only part of the quantity is used the correct quantity should be measured out in the following ratio</p> <p>78% by weight of vehicle 22% by weight of pigment</p>
AIR SPRAY	
Recommended thinner	Sigma thinner 20-05
Volume of thinner	5 - 10%
Nozzle orifice approx.	1.8 mm
Nozzle pressure	3 - 4 bar (approx. 43 - 57 p.s.i.)

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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