

# SIGMA ALUMINIUM PAINT SA 35

2 pages

May 2010  
Revision of December 2000

## DESCRIPTION

Single component aluminum pigmented alkyd topcoat

## PRINCIPAL CHARACTERISTICS

For interior and exterior use  
High quality aluminum paint with a wide field of applications such as steel structures, pipelines and equipment in industrial and marine atmospheres  
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

### BASIC DATA AT 20°C

aluminum - gloss

(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

approx. 1.0g/cm<sup>3</sup>

Volume solids

approx. 38% by volume

Recommended dry film thickness

25-35 µm per coat

Theoretical spreading rate

approx. 15 m<sup>2</sup>/ltr (57 m<sup>2</sup>/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

Over coating interval

min. 16 hours

max. unlimited

Shelf life (cool and dry place)

at least 12 months

Flash point

39 °C

## RECOMMENDED – SUBSTRATE CONDITIONS AND TEMPERATURES

0601 Sigma Zinc Chromate Primer SA40 or other compatible primers free from any contamination substrate temperature should be above 5°C and at least 3°C above dew point

## INSTRUCTIONS FOR USE

### AIRLESS SPRAY

Recommended thinner

Sigma thinner 20-05 (flashpoint 38 °C)

Volume of thinner

0 - 10%

Nozzle orifice approx.

approx. 0.38 mm (0.015 inch)

Nozzle pressure

150 - 200 bar (approx. 1700 - 2100 p.s.i.)

### AIR SPRAY

Recommended thinner

Sigma thinner 20-05 (flashpoint 38 °C)

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 (flashpoint 38 °C)

Volume of thinner 0 - 3%

## CLEANING SOLVENT

Sigma thinner 20-05 (flashpoint 38 °C)

## 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 vapor 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.

## 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