

SIGMARINE 35

3 pages

February 2013
Revision of June 2009

Description micaceous iron oxide (mio) alkyd topcoat

PRINCIPAL CHARACTERISTICS

- excellent resistance to atmospheric industrial exposure conditions
- high UV resistance
- mio effect

COLOURS AND GLOSS according to the Micaceous Iron Oxide Colour card of PPG Protective & Marine Coatings – flat

BASIC DATA AT 20 °C (1 g/cm³ = 8.35 lb/US gal; 1 m²/l = 40.7 ft²/US gal)

Mass density	1.5 g/cm ³
Volume solids	51% ± 2%
VOC (Directive 1999/13/EC, SED)	max. 254 g/kg (Directive 1999/13/EC, SED)
VOC (UK PG 6/23(92) appendix 3)	max. 391 g/l (approx. 3.3 lb/gal) (UK PG 6/23(92) Appendix 3)
Recommended dry film thickness	50 - 75 µm
Theoretical spreading rate	10.2 m ² /l for 50 µm 6.8 m ² /l for 75 µm
Touch dry after	1 hour
Overcoating interval	min. 16 hours max. unlimited
Shelf life (cool and dry place)	at least 12 months

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- suitable primer; (e.g. Sigmarine 24) dry and free from any contamination
- previous suitable coat; dry and free from any contamination and sufficiently roughened if necessary
- substrate temperature should be at least 3°C above dew point but not above 50°C

INSTRUCTIONS FOR USE

- 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 sheets 1433 and 1434)

AIR SPRAY

Recommended thinner	Thinner 20-05
Volume of thinner	5 - 15%, depending on required thickness and application conditions
Nozzle orifice	1.5 - 3 mm
Nozzle pressure	0.2 - 0.3 MPa (= approx. 2 - 3 bar; 29 - 44 p.s.i.)

AIRLESS SPRAY

Recommended thinner	Thinner 20-05
Volume of thinner	0 - 5%, depending on required thickness and application conditions
Nozzle orifice	approx. 0.46 mm (= 0.018 in)
Nozzle pressure	12 - 15 MPa (= approx. 120 - 150 bar; 1740 - 2176 p.s.i.)

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BRUSH/ROLLER

Recommended thinner Thinner 20-05
Volume of thinner 0 - 2%

CLEANING SOLVENT

Thinner 20-05

Worldwide availability

It is always the aim of PPG Protective and Marine Coatings to supply the same product on a worldwide basis. However, 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

Conversion labels	see information sheet 1410
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
Relative humidity - substrate temperature - air temperature	see information sheet 1650

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

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