

SIGMARINE 24

3 pages

January 2013
Revision of July 2009

Description

modified zinc phosphate alkyd primer

PRINCIPAL CHARACTERISTICS

- economic general purpose maintenance and new building primer
- suitable for use on superstructures and on steel surfaces not normally exposed to water immersion
- the adhesion of subsequent coats is not affected by long weathering periods of the primer
- should not be used over zinc primers, except when exposed to dry interior conditions
- to be recoated with conventional paint systems
- a thickness of 75 µm can be obtained by spray application in one operation by means of the crosscoat technique
- certificate for low flame spread: see sheet 1883

COLOURS AND GLOSS

yellow, brown, red, grey, dark grey (offwhite only on request) – flat

BASIC DATA AT 20 °C

(1 g/cm³ = 8.35 lb/US gal; 1 m²/l = 40.7 ft²/US gal)

Mass density

1.4 g/cm³

Volume solids

56% ± 2%

VOC (Supplied)

max. 245 g/kg (Directive 1999/13;/EC,SED)

max. 343 g/l (approx. 2.9 lb/gal)

Recommended dry film thickness

35 - 75 µm per coat

Theoretical spreading rate

16 m²/l for 35 µm7.5 m²/l for 75 µm

Touch dry after

3 hours at 5°C

2 hours at 20°C

Overcoating interval

min. 48 hours at 5°C, 24 hours at 20°C

max. unlimited

Shelf life (cool and dry place)

at least 12 months

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- steel; blast cleaned to ISO-Sa2½, blasting profile 40 - 70 µm
- steel; power tool cleaned to min. ISO-St2
- shop primed steel; sweep blasted or power tool cleaned to SPSS-Ss or SPSS-Pt2
- previous coat; dry and free from any contamination
- substrate temperature should be at least 3°C above dew point but not above 50°C

SYSTEM SPECIFICATION

marine

system sheets: 3102, 3103, 3104, 3105, 3107

INSTRUCTIONS FOR USE

- stir well before use
- the temperature of the paint should preferably be above 15°C, otherwise extra solvent 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)

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AIRLESS SPRAY

Recommended thinner	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; 1740 - 2176 p.s.i.)

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 tables	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
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
Specification for mineral abrasives	see information sheet 1491
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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	PDS	7135
136774	brown	2000002200
136775	yellow	3000002200
272264	red	0000692200
182331	grey	5000002200
327075	darkgrey	9000002200