

SIGMACAP FAST DRY 45

2 pages

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DESCRIPTION	quick drying, modified alkyd, gloss finish coat for structural steel
PRINCIPAL CHARACTERISTICS	<ul style="list-style-type: none"> - fast drying - fast handling - summer and winter grade thinners available - suitable for atmospheric exposure conditions
COLOURS AND GLOSS	White, Gray (other colours on request) –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	1.3 g/cm ³
Volume solids	43 ± 2%
VOC (supplied)	max. --- g/l (approx. -- lb/gal) (depending on shade)
Recommended dry film thickness	50 µm per coat
Theoretical spreading rate	8.6 m ² /l for 50 µm
Touch dry after	15 min. at 20°C
Dry to handle	40 min. at 20°C, less than 15 min at 40°C
Overcoating interval	min. 2 hours max. unlimited
Shelf life (cool and dry place)	at least 12 months
Flash point	28°C
RECOMMENDED	– steel, previous suitable coat (Sigmacap Fast Dry 10) dry and free of any contamination
SUBSTRATE CONDITIONS AND TEMPERATURES	– substrate temperature should be above 5°C and at least 3°C above dew point
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)
AIRLESS SPRAY	
Recommended thinner	Sigma thinner 21-06 (summer and winter-grade thinner available)
Volume of thinner	0 - 8%, depending on required thickness and application conditions
Nozzle orifice	approx. 0.38 - 0.48 mm (= 0.015 - 0.019 in)
Nozzle pressure	12 - 16 MPa (= approx. 120 - 160 bar; 1700 - 2270 p.s.i.)
AIR SPRAY	
Recommended thinner	Sigma thinner 21-06 (summer and winter-grade thinner available)
Volume of thinner	5 - 10%, depending on required thickness and application conditions
Nozzle orifice approx.	1.7 - 2.0 mm
Nozzle pressure	0.2 - 0.3 MPa (= approx. 2 - 3 bar; 28 - 43 p.s.i.)

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BRUSH/ROLLER

Recommended thinner
Volume of thinner

(not recommended due to the fast drying nature of the product)
Sigma thinner 21-06 (summer-grade thinner advised)
0 - 3%

CLEANING SOLVENT

Sigma thinner 21-06 (preferred) or 90-53

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

ADDITIONAL DATA

paint type:

Sigma Fast dry alkyd products

Overcoating table

substrate temperature	10°C	20°C	40°C
minimum interval	4 hours	2 hour	30 minutes
maximum interval	unlimited, provided that the surface is dry and cleaned from any contamination		

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