

SIGMACAP FAST DRY 70

2 pages

 May 2010
 Revision of July 2006

DESCRIPTION	quick drying clear modified alkyd varnish for steel protection
PRINCIPAL CHARACTERISTICS	<ul style="list-style-type: none"> - for temporary protection of steel substrate - quick drying and fast handling - single coat with good gloss retention properties
COLOURS AND GLOSS	Clear – 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	0.9 g/cm ³
Volume solids	25 ± 2%
VOC (supplied)	max. 700 g/l (approx. 5.8 lb/gal)
Recommended dry film thickness	30 µm per coat
Theoretical spreading rate	8.3 m ² /l for 30 µm
Touch dry after	3 min. at 20°C
Dry to handle	5 min. at 20°C
Overcoating interval*	min. 30 minutes upto 16 hours - See additional info
Shelf life (cool and dry place)	at least 12 months
Flash point	28°C
RECOMMENDED	- steel, substrate must be 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 (standard) Sigma thinner 21-22 (summer grade) Sigma thinner 21-04 (winter grade)
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 (standard) Sigma thinner 21-22 (summer grade) Sigma thinner 21-04 (winter grade)
Volume of thinner	5 - 10%, depending on required thickness and application conditions
Nozzle orifice approx.	1.4 - 1.7 mm
Nozzle pressure	0.2 - 0.3 MPa (= approx. 2 - 3 bar; 28 - 43 p.s.i.)

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BRUSH/ROLLER (not recommended due to the fast drying nature of the product)
 Recommended thinner Sigma thinner 21-22
 Volume of thinner 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	60 minutes	30 minutes	10 minutes
maximum interval	No overcoating after 16 hours until 2 weeks of full cure		

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