

SIGMA VIKOTE 18**(SIGMACHLOR PRIMER)**

3 pages

September 2005
Revision of January 2003

DESCRIPTION	high build aluminium pigmented chlorinated rubber primer/sealer	
PRINCIPAL CHARACTERISTICS	<ul style="list-style-type: none"> – anticorrosive primer/sealer – excellent water resistance – unsaponifiable – resistant to well designed/controlled cathodic protection – fast drying – can be applied at low temperatures, down to -10°C – tolerates a dft up to 150 µm at overlaps without sagging – compatible with antifouling 	
COLOURS AND GLOSS	grey, reddish grey - flat	
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	1.2 g/cm ³	
Volume solids	42 ± 2%	
VOC (supplied)	max. 409 g/kg (Directive 1999/13/EC, SED) max. 502 g/l (approx. 4.2 lb/gal)	
Recommended dry film thickness	50 - 100 µm depending on system	
Theoretical spreading rate	8.4 m ² /l for 50 µm, 4.2 m ² /l for 100 µm	
Touch dry after	4 hours at 5 - 10°C, 1 hour at 20°C	
Overcoating interval	min. 6 hours at 20°C * max. unlimited	
Shelf life (cool and dry place)	at least 12 months	
Flash point	28°C * see additional data	
RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES	<ul style="list-style-type: none"> – steel; blast cleaned to ISO-Sa2½ – primed steel or previous coat; dry and free from any contamination – galvanised steel; dry and free from any contamination and zinc salts – substrate temperature should be at least 3°C above dew point 	
SYSTEM SPECIFICATION	marine	system sheets 3101, 3102, 3103, 3104
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 	

SIGMA VIKOTE 18

(SIGMACHLOR PRIMER)

September 2005

AIRLESS SPRAY

Recommended thinner Sigma thinner 21-06
 Volume of thinner 0 - 3%, depending on required thickness and application conditions
 Nozzle orifice approx. 0.45 mm (= 0.018 in)
 Nozzle pressure 15 MPa (= approx. 150 bar; 2130 p.s.i.)

AIR SPRAY

Recommended thinner Sigma thinner 21-06
 Volume of thinner 6 - 10%, depending on required thickness and application conditions
 Nozzle orifice 1.8 - 2 mm
 Nozzle pressure 0.3 - 0.4 MPa (= approx. 3 - 4 bar, 43 - 57 p.s.i.)

BRUSH/ROLLER

Recommended thinner the recommended dft cannot be reached in one coat
 Sigma thinner 21-06
 Volume of thinner 0 - 3%

CLEANING SOLVENT

Sigma thinner 21-06

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

Overcoating table

minimum interval before overcoating with

substrate temperature	5°C	10°C	20°C	30°C
Sigma Vikote 18	10 hours	8 hours	6 hours	4 hours
antifouling	18 hours	12 hours	6 hours	4 hours
maximum interval	unlimited, provided the surface is dry and cleaned from contamination and zinc salts			

- the above data are a fair indication for normal application conditions
- longer drying times may be necessary at higher dft and under unfavourable atmospheric conditions

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.

SIGMA VIKOTE 18

(SIGMACHLOR PRIMER)

September 2005

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

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 products made by Sigma 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.

Sigma 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. Sigma 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.

DS	7318
136558 light	0200002200
136557 dark	0100002200