

SIGMA VIKOTE™ 18

OVERVIEW

- Place of origin: Indonesia
- Gloss level: Flat
- Dry to touch: 1 hours
- Number of components: 2
- Color: Gray, reddish gray

PRODUCT DETAIL

DESCRIPTION

High-build, aluminum pigmented chlorinated rubber primer/sealer

PRINCIPAL CHARACTERISTICS

- 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 (14°F)
- Tolerates a DFT up to $150\ \mu\text{m}$ (6.0 mils) at overlaps without sagging
- Compatible with antifouling

COLOR AND GLOSS LEVEL

- Gray, reddish gray
- Flat

BASIC DATA AT 20°C (68°F)

Data for product	
Number of components	One
Mass density	1.2 kg/l (10.0 lb/US gal)
Volume solids	$42 \pm 2\%$
VOC (Supplied)	Directive 1999/13/EC, SED: max. 409.0 g/kg max. 502.0 g/l (approx. 4.2 lb/US gal)
Recommended dry film thickness	$75\ \mu\text{m}$ (3.0 mils) per coat
Theoretical spreading rate	$5.6\ \text{m}^2/\text{l}$ for $75\ \mu\text{m}$ ($225\ \text{ft}^2/\text{US gal}$ for 3.0 mils)
Dry to touch	1 hour
Overcoating Interval	Minimum: 6 hours Maximum: Unlimited
Shelf life	At least 24 months when stored cool and dry

Notes:

- See ADDITIONAL DATA – Overcoating intervals
- See ADDITIONAL DATA – Curing time

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Substrate conditions

- Steel with approved zinc silicate shop primer; sweep blasted to SPSS-Ss, welds, rusty and damaged areas blast cleaned to ISO-Sa2½
- Steel; blast cleaned to ISO-Sa2½, blasting profile 40 – 70 µm (1.6 – 2.8 mils)
- Primed steel or previous coat must be dry and free from any contamination
- Galvanized steel must be dry, free from any contamination and zinc salts

Substrate temperature and application conditions

- Substrate temperature during application should be at least 3°C (5°F) above dew point

SYSTEM SPECIFICATION

- ANTICORROSIVE SYSTEMS FOR UNDERWATER AND BOOTTOP – SYSTEM SHEET 3101
- SYSTEMS FOR BOOTTOP AND TOPSIDE – SYSTEM SHEET 3102
- SYSTEMS FOR DECKS – SYSTEM SHEET 3103
- SYSTEMS FOR SUPERSTRUCTURE AND DECK FITTINGS – SYSTEM SHEET 3104

INSTRUCTIONS FOR USE

- Stir well before use
- The temperature of the paint should preferably be above 15°C (59°F), otherwise extra thinner may be required to obtain application viscosity
- Adding too much thinner results in reduced sag resistance

Air spray

Recommended thinner: THINNER 21-06

Volume of thinner: 6 - 10%, depending on required thickness and application conditions

Nozzle orifice: 1.8 – 2.0 mm (approx. 0.070 – 0.079 in)

Nozzle pressure: 0.3 - 0.4 MPa (approx. 3 - 4 bar; 44 - 58 p.s.i.)

Airless spray

Recommended thinner: THINNER 21-06

Volume of thinner: 0 - 3%, depending on required thickness and application conditions

Nozzle orifice: Approx. 0.46 mm (0.018 in)

Nozzle pressure: 15.0 MPa (approx. 150 bar; 2176 p.s.i.)

Brush/roller

- The recommended DFT cannot be reached in one coat

Recommended thinner: THINNER 21-06

Volume of thinner: 0 – 3%

Cleaning solvent: THINNER 21-06

ADDITIONAL DATA

Overcoating interval for DFT up to 75 µm (3.0 mils)						
Overcoating with...	Interval	-10°C (14°F)	5°C (41°F)	10°C (50°F)	20°C (68°F)	30°C (86°F)
itself	Minimum	24 hours	10 hours	8 hours	6 hours	4 hours
	Maximum	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
antifoulings	Minimum	36 hours	18 hours	12 hours	6 hours	4 hours
	Maximum	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited

Notes:

- Surface should be dry and free from any contamination
- The above data are a fair indication for normal application conditions
- Longer drying times may be necessary at higher DFT and under unfavorable atmospheric conditions

Curing time for solvent-free application	
Substrate temperature	Dry to touch
5°C (41°F)	4 hours
10°C (50°F)	4 hours
20°C (68°F)	1 hour

SAFETY PRECAUTIONS

- For paint and recommended thinners see INFORMATION 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 vapor, as well as contact between the wet paint and exposed skin or eyes

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.