New Guard Coatings Group

A global reputation to protect.

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This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

October 2, 2018 (Revision of April 30, 2018)

SIGMA VIKOTE™ 63

DESCRIPTION

High-build bituminous coating

PRINCIPAL CHARACTERISTICS

- A high-build protective coating for steel, concrete and fiber cement
- Good resistance to seawater and fresh water
- Used to protect void spaces, cofferdams, steelwork behind linings and pipes
- Good adhesion to steel and galvanized steel

COLOR AND GLOSS LEVEL

- Black
- 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	57 ± 2%
VOC (Supplied)	Directive 1999/13/EC, SED: max. 308.0 g/kg max. 365.0 g/l (approx. 3.0 lb/US gal)
Recommended dry film thickness	250 - 500 µm (10.0 - 20.0 mils) depending on system
Theoretical spreading rate	2.3 m^2/l for 250 µm (91 ft^2/US gal for 10.0 mils)
Dry to touch	6 hours
Overcoating Interval	Minimum: 8 hours Maximum: Unlimited
Shelf life	At least 24 months when stored cool and dry

Notes:
- See ADDITIONAL DATA – Spreading rate and film thickness
- See ADDITIONAL DATA – Curing time

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Substrate conditions

- Steel; blast cleaned to ISO-Sa2½, blasting profile 40 – 70 µm (1.6 – 2.8 mils)
- Steel; power tool cleaned to min. ISO-St2
- Galvanized steel must be cleaned by solvent or roughened by sandpaper
- Compatible previous coat must be dry and free from any contamination

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Substrate temperature and application conditions

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

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
- Adequate ventilation must be maintained during application and curing (please refer to INFORMATION SHEETS 1433 and 1434)

Air spray

Recommended thinner
THINNER 20-05

Volume of thinner
5 - 10%, depending on required thickness and application conditions

Nozzle orifice
2.0 – 3.0 mm (approx. 0.079 – 0.110 in)

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

Airless spray

Recommended thinner
THINNER 20-05

Volume of thinner
0 - 5%, depending on required thickness and application conditions

Nozzle orifice
Approx. 0.58 mm (0.023 in)

Nozzle pressure
12.0 - 15.0 MPa (approx. 120 - 150 bar; 1741 - 2176 p.s.i.)

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Brush/roller
- Only for touch-up and spot repair

Recommended thinner
THINNER 20-05

Volume of thinner
0 – 5%

Cleaning solvent
THINNER 20-05

ADDITIONAL DATA

Spreading rate and film thickness	
DFT	**Theoretical spreading rate**
250 µm (10.0 mils)	2.3 m^2/l (91 ft^2/US gal)
500 µm (20.0 mils)	1.1 m^2/l (46 ft^2/US gal)

Curing time for DFT up to 250 µm (10.0 mils)	
Substrate temperature	**Dry to touch**
5°C (41°F)	8 hours
20°C (68°F)	6 hours
30°C (86°F)	4 hours
40°C (104°F)	3 hours

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.

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REFERENCES

• EXPLANATION TO PRODUCT DATA SHEETS	INFORMATION SHEET	1411
• SAFETY INDICATIONS	INFORMATION SHEET	1430
• SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD – TOXIC HAZARD	INFORMATION SHEET	1431
• SAFE WORKING IN CONFINED SPACES	INFORMATION SHEET	1433
• DIRECTIVES FOR VENTILATION PRACTICE	INFORMATION SHEET	1434
• CLEANING OF STEEL AND REMOVAL OF RUST	INFORMATION SHEET	1490

WARRANTY

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