

SIGMA VIKOTE 63

(SIGMA EMALINE 3000)

3 pages

September 2005
Revision of January 2003**DESCRIPTION**

high build bituminous coating

PRINCIPAL CHARACTERISTICS

- a high build protective coating for steel, concrete and fibre cement
- good resistance to sea water and fresh water
- used to protect void spaces, cofferdams, steelwork behind linings and pipes
- sag resistance 3 mm

COLOURS AND GLOSS

black - flat

BASIC DATA AT 20°C(1 g/cm³ = 8.25 lb/US gal; 1 m²/l = 40.7 ft²/US gal)

Mass density

1.2 g/cm³

Volume solids

57 ± 2%

VOC (supplied)

max. 308 g/kg (Directive 1999/13/EC, SED)

max. 365 g/l (approx. 3.0 lb/gal)

Recommended dry film thickness

250 - 500 µm depending on system

Theoretical spreading rate

2.3 m²/l for 250 µm, 1.1 m²/l for 500 µm

Touch dry after

8 hours at 5 - 10°C, 6 hours at 20°C, 4 hours at 30°C, 3 hours at 40°C

Overcoating interval

min. 8 hours at 5 - 20°C

max. unlimited

Shelf life (cool and dry place)

at least 12 months

Flash point

35°C

**RECOMMENDED
SUBSTRATE CONDITIONS
AND TEMPERATURES**

- steel; blast cleaned to ISO-Sa2½
- steel; power tool cleaned to min. ISO-St2
- previous coat; dry and free from any contamination
- substrate temperature should be at least 3°C above dew point

SYSTEM SPECIFICATION

marine

system sheet 3108

INSTRUCTIONS FOR USE

- 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 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 - 15 MPa (= approx. 120 - 150 bar; 1700 - 2130 p.s.i.)

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AIR SPRAY

Recommended thinner Sigma thinner 20-05
 Volume of thinner 5 - 10%, depending on required thickness and application conditions
 Nozzle orifice 2 - 3 mm
 Nozzle pressure 0.3 - 0.4 MPa (= approx. 3 - 4 bar, 43 - 57 p.s.i.)

BRUSH/ROLLER

only for touch up and spot repair
 Recommended thinner Sigma thinner 20-05
 Volume of thinner 0 - 5%

CLEANING SOLVENT

Sigma thinner 20-05

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

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

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LIMITATION OF LIABILITY

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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.

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