

**SIGMA VIKOTE 42****(SIGMA BIGUARD COATING)**

3 pages

September 2005  
Revision of January 2003**DESCRIPTION**

high build vinyl coating

**PRINCIPAL CHARACTERISTICS**

- tough flexible coating for outside hull
- good weather resistance
- unsaponifiable
- compatible with longlife and selfpolishing antifoulings

**COLOURS AND GLOSS**

black - eggshell

**BASIC DATA AT 20°C**(1 g/cm<sup>3</sup> = 8.25 lb/US gal; 1 m<sup>2</sup>/l = 40.7 ft<sup>2</sup>/US gal)

Mass density

1.1 g/cm<sup>3</sup>

Volume solids

35 ± 2%

VOC (supplied)

max. 537 g/kg (Directive 1999/13/EC, SED)

max. 564 g/l (approx. 4.7 lb/gal)

Recommended dry film  
thickness

50 - 75 µm per coat

Theoretical spreading rate

7.0 m<sup>2</sup>/l for 50 µm, 4.7 m<sup>2</sup>/l for 75 µm

Touch dry after

1 hour

Overcoating interval

min. 6 hours at 20°C \*

max. 3 months

Shelf life (cool and dry place)

at least 12 months

Flash point

23°C

\* see additional data

**RECOMMENDED  
SUBSTRATE CONDITIONS  
AND TEMPERATURES**

- previous coat; dry and free from any contamination
- suitable on top of Sigma Vikote 12
- substrate temperature should be at least 3°C above dew point

**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

**AIRLESS SPRAY**

Recommended thinner

Sigma thinner 21-06

Volume of thinner

0 - 2%, depending on required thickness and application conditions

Nozzle orifice

approx. 0.43 - 0.53 mm (= 0.017 - 0.021 in)

Nozzle pressure

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

**BRUSH/ROLLER**

Recommended thinner

only for touch up and spot repair

Sigma thinner 21-06

Volume of thinner

0 - 3%

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**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 42	18 hours	10 hours	6 hours	4 hours
maximum interval	3 months at 20°C, provided that the surface is 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 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.

**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

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## 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.

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