

# SIGMARINE 42

(SIGMAVAR GLOSS)

3 pages

September 2005  
Revision of January 2003

<b>DESCRIPTION</b>	clear varnish based on wood oil phenolic resin for interior and exterior use
<b>PRINCIPAL CHARACTERISTICS</b>	<ul style="list-style-type: none"> <li>– a high quality weather resistant clear varnish with excellent gloss retention</li> <li>– good resistance to salt water and fresh water</li> <li>– good scratch and abrasion resistance</li> </ul>
<b>COLOURS AND GLOSS</b>	transparent - gloss
<b>BASIC DATA AT 20°C</b>	(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	0.9 g/cm <sup>3</sup>
Volume solids	49 ± 2%
VOC (supplied)	max. 428 g/kg (Directive 1999/13/EC, SED) max. 395 g/l (approx. 3.3 lb/gal)
Recommended dry film thickness	30 µm per coat
Theoretical spreading rate	16.3 m <sup>2</sup> /l
Touch dry after	3 hours
Overcoating interval	min. 16 hours max. no limitations
Shelf life (cool and dry place)	at least 24 months, keep above 0°C
Flash point	39°C
<b>RECOMMENDED SUBSTRATE</b>	<ul style="list-style-type: none"> <li>– dry clean wood</li> <li>– previous coat; dry and free from any contamination</li> </ul>
<b>SYSTEM SPECIFICATION</b>	<ul style="list-style-type: none"> <li>– when used on new tropical timber such as teak etc. the surface should be sealed with a coat of polyurethane clear varnish (Sigmadur A clear varnish). this is required to seal aggressive products in the wood.</li> <li>– when coating open grain woods:               <ol style="list-style-type: none"> <li>1) one coat of Sigmarine 42 diluted 100% followed by sand papering</li> <li>2) one coat of Sigmarine 42 diluted 50% followed by sand papering</li> <li>3) two coats of Sigmarine 42 undiluted</li> </ol> </li> <li>– oil seals (linseed etc.) should not be used under Sigmarine 42 the varnish should be applied directly to the bare wood or over a polyurethane sealer</li> <li>– in general a four coat system is sufficient</li> </ul>

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## INSTRUCTIONS FOR USE

- stir well before use
- the temperature of the mixed base and hardener should preferably be above 15°C, otherwise extra solvent 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)

## BRUSH/ROLLER

Recommended thinner  
Volume of thinner

Sigma thinner 20-05  
see system specification

## 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

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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