

## Epifanes Copper-Cruise

### High performance antifouling

<b>Type</b>	Physical drying				
<b>Base</b>	Copper (I)oxide				
<b>Properties</b>	Copper- and biocide containing high performance antifouling making use of the latest copper release technology for optimal copper-release. Slow polishing with a hard surface.				
<b>Field of application</b>	Fouling preventing coat for use on all types of fibreglass, wooden and steel ships in conjunction with the appropriate primer system. Also suited for application on existing well adhering selfpolishing and hard antifoulings. Not suited for aluminium ships.				
<b>Suitable sailing areas</b>	Fresh, brackish and cold salt water areas				
<b>Reference to sailing speed</b>	<table border="1" data-bbox="620 826 1439 916"> <thead> <tr> <th>Minimum sailing speed</th> <th>Maximum sailing speed</th> </tr> </thead> <tbody> <tr> <td>5 knots</td> <td>30 knots</td> </tr> </tbody> </table>	Minimum sailing speed	Maximum sailing speed	5 knots	30 knots
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<b>Colours</b>	Redbrown - black - dark blue - light blue - off white				
<b>Gloss</b>	Semi gloss				
<b>Density</b>	1,35 - 1,78 kg/dm <sup>3</sup> depending on colour				
<b>Viscosity</b>	120-140 seconds DIN-cup 4 mm				
<b>Solids contents</b>	50-58 +/- 2 vol. % depending on colour				
<b>VOC - level</b>	432 grams/liter (on average)				
<b>Packing</b>	750ml. - 2500ml.				
<b>Shelf life</b>	In closed original container stored in a dark location between 5 - 25°C approx. 2 years.				
<b>Conditions during application and drying</b>	Object temperature must be 3°C. above dew point. Temperature of paint, object and work area during application and drying should be above 10°C. Relative air humidity should not exceed 85%.				
<b>Thinner</b>	Preferably use unthinned. If necessary, use Epifanes Thinner D-100				
<b>Application tools</b>	Soft, longhaired brush, short haired roller.				
<b>Recommended system</b>	2-3 coats , preferably unthinned				
<b>Recommended filmthickness / coat</b>	80-100 µm wet = 40-45 µm dry				
<b>Application recommendations</b>	Stir well prior to use and during application. Apply generously in horizontally even layers. Avoid excessive overlapping and repeated roller. On high friction areas, (i.e. waterline, bow and rudder) apply an additional coat.				
<b>Theoretical coverage</b>	10-12 m <sup>2</sup> per liter @ 50µm dry filmthickness				

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## High performance antifouling

**Personal safety**

Stir well prior to application. The application and drying should occur in well ventilated areas. Always secure sufficient air circulation for supply of fresh air and disposal of solvent fumes in order to avoid health hazards and safety problems.

**Drying times @ 20°C. / 65% RAH and 65 µm dry filmthickness**

Dustdry	Tack free	Recoatible	Launching/antifouling
30 minutes	1 hour	Min. 8 hours	Minimal 24 hours
			Maximum 1 month

**Underlying system new**

Well adhering water tight underwatersystems (300 Micron DFT) after full drying/curing, sanding and degreasing.

- One-component** Epifanes CR Antifouling Primer
- Two-component** Epifanes Epoxy System + Epifanes Interimcoat

**Existing antifouling layers**

In general: Dry, clean, free of contamination and fouling.

Soft antifouling	Hard antifouling	Selfpolishing antifouling
Remove by coarse sanding	Degreased with appropriate degreaser, sanded P60 and degreased once more.	High pressure water hosing to remove all fouling and loose antifouling parts.

Not suited for use on Teflon based antifouling

**Safety**

The user of this product should obey all national laws and legislation concerning health, safety and environmental hazard. For more information on health and safety, refer to the Material Safety Data Sheet of this product.

Although the facts and suggestions in this product information sheet are based on our own research and field experiences and are believed reliable, we cannot simply be held responsible for performance or results obtained through the use of this product. Ineffectiveness or other unintended consequences may result, because of such factors as weather, conditions, presence or other materials or the manner of preparation, use or application all of which are beyond W. Heeren & Zoon's control. All such risks are assumed by user.

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