

Epifanes Copper-Cruise

High performance antifouling

Type	Physical drying				
Base	Copper (I)oxide				
Properties	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.				
Field of application	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.				
Suitable sailing areas	Fresh, brackish and cold salt water areas				
Reference to sailing speed	<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
Minimum sailing speed	Maximum sailing speed				
5 knots	30 knots				
Colours	Redbrown - black - dark blue - light blue - off white				
Gloss	Semi gloss				
Density	1,35 - 1,78 kg/dm ³ depending on colour				
Viscosity	120-140 seconds DIN-cup 4 mm				
Solids contents	50-58 +/- 2 vol. % depending on colour				
VOC - level	432 grams/liter (on average)				
Packing	750ml. - 2500ml.				
Shelf life	In closed original container stored in a dark location between 5 - 25°C approx. 2 years.				
Conditions during application and drying	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%.				
Thinner	Preferably use unthinned. If necessary, use Epifanes Thinner D-100				
Application tools	Soft, longhaired brush, short haired roller.				
Recommended system	2-3 coats , preferably unthinned				
Recommended filmthickness / coat	80-100 µm wet = 40-45 µm dry				
Application recommendations	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.				
Theoretical coverage	10-12 m ² per liter @ 50µm dry filmthickness				

Epifanes Copper-Cruise

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.

DISCLAIMER OF WARRANTIES. Seller makes no express warranties. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXCLUDED. In the event a warranty is created by law, buyer's EXCLUSIVE REMEDY shall be the replacement of any defective product. No other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available to buyer.

December 2013