



## TECHNICAL DATA SHEET EU45 ANTIFOUL

### PRODUCT DESCRIPTION

A tin free self polishing antifouling pigmented with cuprous oxide for the protection against fouling. For use on hulls of polyester, wood and steel.

The product can be applied on most anticorrosive systems.

### PHYSICAL PROPERTIES

Colour/Texture	Red, Black, Dark Blue, Mid Blue, Light Grey, White/Mat
Volume solids	45-50 %
Specific gravity	1,90 ± 0,5 gr/ml (Depending colour) / 1,40 ± 0,5 gr/ml (White)
VOC	430 ± 5 gr/litre (Depending colour) / 410 ± 5 gr/litre (White)
Flashpoint	>25° C
Copper Oxide	45 %

	Dry film thickness per coat (μ)	Wet film thickness per coat (μ)	Theoretical spreading rate (m <sup>2</sup> /l)
Range	48 – 50	90 – 100	8 – 10
Recommended	50	100	10

### APPLICATION DATA

“Airless” Spray Pressure at nozzle: 120 – 180 bar. Nozzle size: 0.41 – 0.58 mm.  
Spray angle: 40 - 80 degrees.  
Volume of thinner: 0 - 3%.

Airspray Pressure at nozzle: 3 – 5 bar. Nozzle size: 1.5 – 2.0 mm.  
Volume of thinner: 0 - 10%.

Brush/Roller Suitable. Multicoats may be needed to achieve the specified dry film thickness.  
Volume of thinner: 0 - 5%.

Thinner/Cleaner EU45 Thinner

### DRYING AND RECOATING TIMES

Substrate Temperature	Touch dry	Hard dry	Dry to recoat		Minimum drying time for undocking (**)
			Minimum	Maximum (*)	
15° C	43 minutes	6 hours	10 hours	5 days	24 hours
25° C	26 minutes	3 hours	6 hours	5 days	24 hours
35° C	18 minutes	2 hours	4 hours	3 days	24 hours

(\*) The surface should be dry and free from contaminants prior to overcoating.

(\*\*) It is advised to undock the vessel within 48 hours after application of the final layer as prolonged exposure to sunshine might affect the antifouling performance.

## **SURFACE PREPARATION**

The surface must be dry and free from fouling, salts and other contaminants.

Remove salts and dirt by fresh water washing and hard fouling by scraping. Corroded and/or damaged areas must be repaired first with EU45 primer system.

## **RECOMMENDED PAINT SYSTEM**

For best results apply a minimum of two coats with a third at the waterline.

Life time expectations are difficult to give, as it is dependent on many factors beyond our control such as vessel's speed and sailing pattern, seawater quality and temperature. Therefore the above stated antifouling specification should be used for guidance only.

## **APPLICATION CONDITIONS**

The temperature of the substrate should be at least 3°C above the dew point of the air.

Temperature and relative humidity should be measured in the vicinity of the substrate.

The maximum recommended surface temperature is approx. 40°C. Higher steel temperatures are acceptable provided dry-spray is avoided by proper spray application and extra thinning if required.

In extreme cases it may be necessary to reduce film thickness in order to avoid sagging.

When applying the paint in confined spaces, provide adequate ventilation during application and drying.

The temperature of the mixed paint should be at least 15°C, otherwise extra solvent may be required to obtain a proper application viscosity.

## **HEALTH AND SAFETY**

Observe the precautionary notices on the label of the container. A material safety data sheet is available upon request and national or local safety regulations should be followed. This product is intended for use by professional applicators and knowledgeable amateurs.

As a general rule, avoid skin- and eye contact by wearing overalls, gloves, goggles, mask, etc.

Spraying should be carried out under well-ventilated conditions. This product contains flammable materials and should be kept away from sparks and open flames. Smoking in the area should not be permitted.

## **STORAGE**

The product must be stored in accordance with national regulations. The cans are to be kept in a dry, cool, well ventilated space and away from source of heat and ignition. Cans must be kept tightly closed.

## **DISCLAIMER**

*The information in this data sheet is provided to the best of our knowledge. However, we have no control over either quality or condition of the substrate and other factors affecting the use and application of this product. Therefore, we cannot accept any liability whatsoever or howsoever arising from the performance of the product or for any loss or damage arising from the use of this product.*

*We reserve the right to change the product without notice.*

**EU45 ANTIFOUL LTD**  
UK Tel. 0800 206 1845  
NON-UK Tel. 0034 962 267 141  
[info@eu45antifoul.com](mailto:info@eu45antifoul.com)  
[www.eu45antifoul.com](http://www.eu45antifoul.com)

Emisión / Edición:

January 2015 – v02