

# HARD ANTIFOULING



## Technical information

**Product components :** HARD Antifouling – one pack product  
**Volume:** Single pack : 750 ml, 2,5 l  
**Product description :** Hard antifouling paint based on copper oxides and resins. Does not contain TBT



**Recommended use :** Recommended to protect areas below the water line. Suitable for all kind of motorboats up to 70 knots speed. It can be also used on sailboats. Recommended for salt, fresh and mixed water. Due to increased hardness is resistance to damage.

HARD ANTIFOULING Sea-Line can be applied on hulls made of :

- laminate
- steel
- wooden

**Do not use on aluminium surfaces.**

**Use biocides safely. Always read the label and product information before use.**

### Physiochemical Characteristics:

Color: black, navy blue, red  
Gloss: matte  
Solid parst: 52 - 56 % (depending on color)  
Theoretical yielded: ~10 m<sup>2</sup>/l  
Coat thickness (WFT): 90 µm  
Finish thickness (DFT): 50 µm

**NOTICE:** Exposure of a freshly applied antifouling paint to moist air can lead to color change. The discoloration is only superficial and does not affect the effectiveness of the antifouling paint.

Due to the content of copper oxide, a small color difference between the parts of the antifouling paint is acceptable.

### Preparing the surface:



Check is HARD ANTIGOULING Sea-Line is compatible with previous antifouling on your boat.

Compatibility chart is available on [www.sea-line.eu](http://www.sea-line.eu) DOWNLOAD

Surface must be clean, dry and temperature of it should be higher than dew point to avoid condensation. High relative humidity or condensation within the first 24 hours after the application, may adversely affect formation of coating. Remove salt and other contaminants with pressurized fresh water. Sand laminate surfaces to uniform roughness (the sandpaper of gradation P100-P240).

As a precoat, it is recommended to use:

- 2K Epoxy Lightprimer 5:1 Sea-Line® - laminate (GFK)
- 2K Epoxy Anticorrosive 4:1 Sea-Line® - steel
- 2K Epoxy Woodprimer 10:4 Sea-Line® - wood
- 1K UNIVERSAL PRIMER Sea-Line® - laminate, steel, wood

### Metod of application:

roller, brush or airless spray gun

Recomended number of coats 2 ÷ 3 layers

Thickness of dry layer is: 100 µm (DTF)

On places where growth of lichens is the largest (water line) and on places exposed to damage (keel, prow etc.)is recommend to apply extra coat antifouling paint.

Minimum application temperature: +5°C.

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**Thinner:** Not recommended

**NOTICE:** In the case of high temperatures and the need to thin the antifouling paint, a maximum dilution of 0-5% (by volume) is recommended. Dilution and the application method directly affect the thickness of the antifouling paint layer. Special attention should be paid to obtaining a specific coating thickness (100 µm DTF), which ensures the effective operation of the antifouling paint.

<b>Hardening the surface:</b>	<b>20°C</b>	<b>10°C</b>
Touch Dry:	15 minutes	25 minutes
Thorough dry:	4 hours	6 hours
Dry to recoat	Min 6 hours	Min 8 hours
Dry to launch:	Min 12 hours	Min 24 hours



The given times must be considered as guidelines only. The actual drying time may be longer or shorter and depends on film thickness, ventilation, humidity, etc

**Further Work :** Maximum immersion time after application antifouling HARD is 6 months. If launching is between 6 and 12 month after application, before sand surface using sand paper P220. Launching over 12 month after application, surface should be sanded and one more time painted.

**HSE conditions :** Please follow safety instructions from the technical data sheet for hazardous chemical and follow Polish workplace safety laws. The general rule is to avoid contact with skin and eyes. When using the product in a small, enclosed space you must provide forced ventilation. It is also recommended that you protect your respiratory system, eyes, and skin. Be particularly careful of fire as the product may explode.

**Storage :** Product components should be kept in tightly sealed containers, at a temperature between 5-35°C, away from sources of fire, heat, and sun rays.



Close the containers tightly immediately after every use

**Expiration date:** 5 years from the date of production



**Quality Guarantee :** Production, quality control, and the realization of deliveries fulfill the demands of ISO 9001 and 14001 standards.

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All data in this document have been prepared for informational purposes. We can not take responsibility for the results of user actions over which we have no control. Responsibility of the user is to make the test sample and determine the suitability of the product for individual applications. Sea-Line do not take responsibility for any damages, or loss of profits associated with the improper use of the products.

All information is based on scrupulous laboratory research and many years of experience. Our position of market leadership does not free us from constant quality control of our products. However, we do not accept responsibility for the effects of improper use or storage of our products, or for the effects of using our products in any way contrary to the standards of good workmanship.

TROTON sp. z o.o. Ząbrowo.