

SPEEDY CARBONIUM

TECHNICAL DATA SHEET

Product description

Two-component medium-hard matrix antifouling based on the use of carbon as an active component to enhance performance.

Quick drying (two coats in a day) and smooth film. It is applied by spray. After application, the film can be wet sanded with 600 grade abrasive paper to obtain an extra-smooth surface.

It complies with the IMO (AFS/CONF/26) antifouling requirements and contains active substances appropriate to the **BPR Regulation (Regulation (EU) No 528/2012)**.

Product information

Finish	Matt	
Colour	Black .708, Grey .712 <i>The colour of the antifouling paint after diving may be slightly different. Small tinting differences may occur between different production batches: in case mix them before the application.</i>	
Solids (by volume)	ASTM D2369	53 ± 2 %
Specific gravity	UNI EN ISO 2811-1	1,60 ÷ 1,70 g/cm ³
Flash point	UNI EN ISO 13736	30° C
Typical Shelf life		3 anni
VOC (calculated average content)	ISO 11890-2/2006	461 g/l
Packaging	0,75 – 2,5 Lt	

Application and use

SURFACE PREPARATION

This antifouling product is to be applied on itself, on new or renewed surfaces.

On Speedy Carbonium: pressure wash, correct any defects and let it dry.

New hulls in gelcoat: degrease with a detergent and rinse with fresh water; if there are still mould wax residues, we recommend a light wet sanding with 400 grade abrasive paper until the gelcoat is matt.

Primerize with Adherglass or Adherpox.

New wooden hulls: sanding with 80-120 grade paper. Primerize with Adherpox.

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New hulls in steel and light alloy: sandblast SA 2½ or alternatively discing ST3 is recommended. Primerize with Adherpox.

It is recommended to completely remove old antifouling every 3-4 years using an AquaStrip paint remover.





APPLICATION PROCEDURE

Stir the components for a few minutes to ensure a uniform consistency. Add component B to component A in the proportions indicated*, mix thoroughly and allow the mixture to rest for an induction time of about 1 hour. Apply the product by spray (5-10% dilution with Thinner 6470). Wait at least 4 hours (at 20 °C) before applying the second coat and reinforce the whole waterline and the rudder with a third coat. If wet sanding is deemed necessary, wait until 24 hours after the last coat and use 600 grade abrasive paper until a completely uniform surface is achieved. For brush/roller applications, apply 2 coats, 5% diluted with Thinner 6470.


It can stay exposed to air for up to 30 days without altering its performance.

APPLICATION METHODS

Professional use

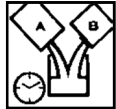
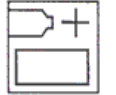
Application method (spray application is permitted using individual protective devices in suitable environments)		Conventional Pressure 3,5 bar Nozzle 1,7 – 1,9 mm
		Airless Pressure 150 bar Nozzle 0.3 – 0.6 mm
	 	

APPLICATION DATA

Mixing ratio		2:1 by volume 67:33 by weight
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Pot-life		48 hrs at 20 °C
Thinner/Cleaning tools		6470
Dry film thickness	Standard application range	40 - 60 µm
	Recommended	50 µm
Wet film thickness	Standard application range	80 - 120 µm
	Recommended	100 µm
Theoretical coverage at the recommended thickness	Application range at the recommended thickness	10,6 m ² /liter
N° coats	2 coats for a seasonal protection. Apply an extra coat in areas subjected to higher consumption/friction	
Recommended primers	ADHERPOX suitable for all substrates TICOPRENE AL usable as primer on wood, iron, fiberglass or as insulator on old antifouling paints (Adherglass, Unikote PRO)	

Drying time

Temperature °C	10		15		20		30	
	Min	Max	Min	Max	Min	Max	Min	Max
Overcoating interval (50 µm)	18 hrs	N.L.	12 hrs	N.L.	6 hrs	N.L.	4 hrs	N.L.
Launching	24 hrs	1-6 months	18 hrs	1-3 months	12 hrs	1-3 months	8 hrs	1-2 months

N.B. *The drying times and the overcoating intervals increase with higher thickness of the applied film. Always check that the existing painting film is perfectly dry before applying a further product coat.*

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CONDITIONS DURING THE APPLICATION

To avoid the formation of condensation, the temperature of the surface should be at least 3 °C above dew point. During the application and curing the min. ambient temperature must not be lower than 10 °C or higher than 30 °C; substrate temperature must not be lower than 5 °C, since curing is remarkably reduced at lower temperatures.

Application is not advisable when relative humidity exceeds 80%. The term-hygrometric survey should be carried out near the surface to be coated. Make sure there is enough ventilation when the application takes place in closed areas.

Storage

It is recommended to avoid exposure to air and extreme temperatures. To maximize the shelf life in the can, it is good to check that the container is well closed during the storage and the temperature is between 5 °C and 35 °C. Avoid exposure to direct sunlight.

Safety rules

Observe the provisions of DPR 303 and 547. Avoid contact with the skin, for example. Operate in well-ventilated places and, if in closed areas, use vacuum cleaners, fans and air conveyors. During the application use appropriate protections (masks, gloves, glasses, etc.). Before using, read sections 7-8 of the SDS.

INSTRUCTIONS FOR THE DISPOSAL OF THE BIOCIDAL AND PACKAGING PRODUCT

Empty packagings containing biocidal products: Dispose of empty packagings according to the requirements of the waste disposal law, for example by conferring them in the recycling center. Packages containing the unused biocidal product: Dispose of the product not used in accordance with the law of disposal of such waste, for example by conferring it in a recycling center, recycling of packaging is prohibited in this case.

Do not empty into drains or watercourses.

INSTRUCTIONS FOR THE SAFE SECURITY OF THE BIOCIDAL AND PACKAGING PRODUCT.

Empty containers and containers still containing the biocidal product: Packaging must be disposed of as hazardous waste under the full responsibility of the holder of such waste. Do not empty into drains or watercourses.

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Notes

The values indicated in the present technical sheet can have slight variations from one batch to another. The applied product must not come in contact with water, chemicals or subjected to mechanical stress before the curing is complete. The wet film thickness is referring to the undiluted product. In case of dilution, this value increases. The above information is the result of accurate laboratory tests and practical experience, however, since the product is predominantly used outside the manufacturer's control, Boero Bartolomeo S.p.A. can only guarantee their quality. The information contained in this sheet may be subject to revision by the Company. For clarification, updates or further information, it is recommended to contact Boero Bartolomeo S.p.A. directly. The present datasheet annuls and replaces every other precedent to this one.

Recommendations

After the application of the last coat the maximum launching period of the antifouling is one month; with top quality copper oxide based products and with the agreement with our technical staff, the launching time may extend up to 3 months, providing that the hull is protected from moisture, rain or atmospheric agents with plastic or similar material.