

ORION EXTRA

700.618

Description

Hard anti-fouling formulated for the protection of propellers, shafts, stern drives, flaps etc. It is free from copper oxide and organostannic compounds, therefore, it can be used on any type of metal including aluminium.

Use

For use on yacht components such as propellers, shafts, stern drives, flaps etc. This product must be used with Orion Primer to guarantee a perfect performance, its new formula has improved its resistance to cathodic over-exposure. The service period will depend on sailing hours, water temperature and fouling pressure, up to 12 months.

Certifications

It complies with the IMO (AFS/CONF/26) anti-fouling tin-free requirements and contains active substances according to the BPR Regulation (Regulation (EU) No 528/2012).

Informations

Finish	Matt	
Colours*	.201 Black - .065 Grey - .001 White	
Pack	0,25 l	
Solids by Volume	45 ± 2%	ISO 3233-2
Specific Gravity	1,55 ÷ 1,65 g/cm ³	ISO 2811-1
Flash Point	> 26 °C	ISO 3679
VOC	452 g/l	Calculated
Shelf Life	24 months	

* The colour of the antifouling paint after diving may be slightly different. Small shade differences may occur between different production batches: in case, mix them before the application.

Application

SUBSTRATES:



Aluminium stern drives, bronze propellers and steel shafts correctly primed with Orion Primer.

SURFACE PREPARATION:

The surface must be clean, dry and free of contaminants before application of recommended products.

For further information please contact your local Boero office or representative.

How to Apply

Standard		Brush Roller (typical 40-50 µm DFT per application)
Conventional Spray		Pressure 2,5 bar Nozzle 1,6 – 1.8 mm

Film Thickness per Coat

DFT	Recommended: 60 µm Standard application range: 50 - 70 µm
WFT	Recommended: 130 µm Standard application range: 110 - 150 µm



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Additional Application Information

Theoretical spreading rate	Application range at the recommended thickness: 7,5 m ² /L
Number of Coat Recommended	2 coats for protection up to 12 months.
Thinner	693

Compatibility

Previous Coat

Orion Primer

Subsequent Coat

N.A.

Drying Time

	10 °C		15 °C		20 °C		30 °C	
	Min	Max	Min	Max	Min	Max	Min	Max
Overcoating interval	16 h	None	12 h	None	6 h	None	6 h	None
Launching	24 h	30 days	24 h	30 days	24 h	30 days	12 h	30 days

N.B. The drying times and the overcoating intervals increase with higher thickness of the applied paint film. Always check the existing paint film is dry before applying any further product coats.

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 Boero technical staff, the launching time may be extended up to 9 months, providing that the hull is protected from moisture, rain or atmospheric agents with plastic or similar material.

If extended period out of the water, before launch, rinse the surface with freshwater and agitate the surface lightly with a light scotchbrite pad.

Conditions during application

During application and curing:

Ambient temperature: minimum 10°C, maximum 35°C.

Minimum substrate temperature 10 °C (if during the curing the temperature drops below 10 °C, overcoating will take additional time).

Avoid the formation of condensation, the surface temperature should be at least 3 °C above dew point.

Maximum relative humidity 85%.

Painting area should be well ventilated, during application and drying/curing.

Storage

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

Avoid exposure to direct sunlight.

Safety Rules

Comply with the provisions set by the local health and safety at work regulations. Avoid contact with the skin, operate in well-ventilated places and, if in closed areas, use vacuum cleaners, fans and air conveyors. During the application use appropriate PPE - Personal Protections Equipment (masks, gloves, glasses, etc.). Before using, read sections 7-8 of the SDS



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INSTRUCTIONS FOR THE DISPOSAL OF THE BIOCIDAL PRODUCTS AND PACKAGING

Empty packaging containing biocidal products: disposal of empty packaging according to the requirements of the waste disposal law, for example by taking them to the recycling centre. 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 taking it to a recycling centre, recycling of packaging is prohibited in this case. Do not empty into drains or watercourses.

INSTRUCTIONS FOR THE SAFETY SECURITY OF THE BIOCIDAL PRODUCTS AND PACKAGING

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.

Disclaimer

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 refers 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.