BOERO

YachtCoatings

ORION PRIMER

TECHNICAL DATA SHEET

Product description

Chromate free primer, ideal for bronze propellers and light alloys. It has been specifically formulated to obtain very good adhesion also on difficult surfaces such as propellers and axles. It can be applied on stern drives too.

Product information

Finish	Matt	
Colour	Green .071	
Solids (by volume)	ASTM D2369	20 ± 2%
Specific gravity	UNI EN ISO 2811-1	1,12 ÷ 1,16 g/cm³
Flash point	UNI EN ISO 13736	1 °C
VOC (average calculated content)	ISO 11890-2/2006	703 g/l
Packaging	0,25 Lt	

Application and use

SURFACE PREPARATION

Aluminium stern drives: clean thoroughly the surfaces, and, if necessary, degrease. Abrade with fine grain, dust and then apply a coat of ORION PRIMER. After 6-8 hours, apply a first low thickness coat of ORION EXTRA.

Bronze propellers and steel axles: clean thoroughly the surfaces, and, if necessary, degrease. Roughen with coarse-grained sandpaper, wash with a thinner to remove any trace of grease or dust. Apply a first coat of ORION PRIMER. Then, after 2-4 hours, apply a first low thickness coat of ORION EXTRA. If necessary, dilute to 5-10% with Thinner 693.

Boero Bartolomeo S.p.A. Via Macaggi 19 - 16121 Genova, Italia - Tel. +39 010 55001 - Fax +39 010 5500.291
www.boeroyachcoatings.com – info@boeroyachtcoatings.com

BOERO

YachtCoatings

ORION PRIMER

TECHNICAL DATA SHEET

Application data

Thinner/Tool cleaning		**693** - Roller/Brush (3% max) **693** - Conventional spray: (3% max)
Application methods		Conventional Pressure 3,5 bar Nozzle 1,9 – 2.2 mm
		
Dry film thickness per coat	Application standard range	10 – 20 µm
	Recommended	10 µm
Wet film thickness per coat	Application standard range	50 – 100 µm
	Recommended	50 µm
Theoretical coverage	10 µm	20 m^2/l

Drying time

Temperature °C		10		15		20		30	
		Min	Max	Min	Max	Min	Max	Min	Max
Coverage		2 h	8 h	2 h	5 h	2h	5 h	1 h	2 h
Sanding		7 h		5 h		5 h		4 h	
Complete drying		10 days		7 days		7 days		5 days	

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

Boero Bartolomeo S.p.A. Via Macaggi 19 - 16121 Genova, Italia - Tel. +39 010 55001 - Fax +39 010 5500.291
www.boeroyachcoatings.com – info@boeroyachtcoatings.com

CONDITIONS DURING APPLICATION

In order to avoid the formation of condensation, , the surface temperature should be at least 3° C above dew point. During 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 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 worth checking that the container is well closed during the storage and the temperature is between 10° 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 PRODUCTS AND PACKAGING
Empty packaging that contained products: Dispose of empty packaging according to the requirements of the waste disposal law, for example by taking them to a recycling centre.

Packages containing the unused products: Dispose of the unused product 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. Product packaging must be kept indoor, and the temperature in the storage place must be between 10° C and 35 °C. Do not expose to sunlight.

Boero Bartolomeo S.p.A. Via Macaggi 19 - 16121 Genova, Italia - Tel. +39 010 55001 - Fax +39 010 5500.291
www.boeroyachcoatings.com – info@boeroyachtcoatings.com

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 be subjected to mechanical stress before the curing is complete. Wet film thicknesses refer to a product that has not been diluted. With dilution, this value will rise. 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 its 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.

Boero Bartolomeo S.p.A. Via Macaggi 19 - 16121 Genova, Italia - Tel. +39 010 55001 - Fax +39 010 5500.291
www.boeroyachtcoatings.com – info@boeroyachtcoatings.com