



## YachtCoatings **EPOTAR FREE** TECHNICAL DATA SHEET

### Product description

Anti-corrosion high thickness epoxy coating containing aluminium, specifically studied to obtain waterproof metal surfaces. This product can boast excellent physical characteristics such as adhesion, hardness and abrasion resistance.

### Product information

Finish	Semi-gloss		
Colour	Aluminum.202		
Solids (by volume)	ASTM D2369		47 ± 2%
Specific gravity	UNI EN ISO 2811-1		1,15 ÷ 1,19 g/cm <sup>3</sup>
Flash point	UNI EN ISO 13736		20 °C
VOC (average calculated content)	ISO 11890-2/2006		442 g/l
Packaging	16 Lt (base 11,5 Lt. + cat 4,5 Lt.)		

### Application and use

#### SURFACE PREPARATION









Pressure wash with fresh water and remove any trace of oil and grease. All surfaces to be painted must be clean, dry and free of contaminants (if necessary, assess the level of cleanliness through the Bresle ISO 8502-6 method).

Apply on adequate and in good condition primers. If covering times are overcome, sandpaper the primer before applying Epotar Free.



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**Application data**




Mixing ratio by volume		2.6:1
Mixing ratio by weight Base (comp. A) 663.202 Hardener B) 663.000C		75 w/w 25 w/w
Pot-life N.B: do not use this product when Pot-life time is exceeded		12 hrs at 20 °C
Thinner/Tool cleaning N.B: the indicated dilution % is considered on the catalysed product		<b>693</b> - Roller/Brush (10% max) <b>693</b> - Conventional spray/Airless: (10% max)
Application methods		Conventional Pressure 3,5 bar Nozzle 1,9 – 2,2 mm
		Airless Pressure 150 bar Nozzle 0,3 – 0,6 mm Angular range: 65° - 80°
	 	
Dry film thickness per coat	Standard application range	125 – 180 µm
	Recommended	150 µm
Wet film thickness per coat	Standard application range	265 – 380 µm
	Recommended	320 µm
Theoretical coverage	150 µm	3,1 m <sup>2</sup> /l
Practical coverage [loss value 30%]	150 µm	2,2 m <sup>2</sup> /l



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Recommended primers	Delta 3000 - Defender
Notes	This product is provided in two cans to be completely and carefully mixed together before use. The potential dilution must be performed after mixing the two components. Physical data of two-component products refer to components that have been already mixed.

## Drying time

Temperature °C			10		15		20		30	
			Min	Max	Min	Max	Min	Max	Min	Max
Coverage	Epoxy or polyester products		24 h	4 days	18 h	3 days	10 h	3 days	8 h	2 days
Sanding			48 h		36 h		24 h		18 h	
Full curing			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

## 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 the application takes place in closed areas.



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### Storage

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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

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Comply with the provisions set by the local health and safety at work regulations. 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.

### Notes

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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.

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