



*YachtCoatings*  
**BOERO FRESH WATER**  
TECHNICAL DATA SHEET

## Product description

Epoxy coating for interior surfaces intended to come into contact with alimentary substances, the product is suitable for the treatment of iceboxes, cold rooms, galleys and drinking water. This product is certified and in compliance with DM 21.3.1973 (concerning the transposition of Directives 82/771/EEC, 85/572/EEC, 90/128/EEC, 92/39/EEC). Boero Fresh Water is an odorless and solvent-free product, easily applicable even in confined spaces. Waterproofing and insulating, it has a high resistance to chemical agents.

## Product information

Finish	Glossy		
Colour	White .001		
Solids (by volume)	ASTM D2369		100 %
Specific gravity	UNI EN ISO 2811-1		1,30 ÷ 1,40 g/cm <sup>3</sup>
Flash point	UNI EN ISO 13736		102 °C
VOC (calculated average content)	ISO 11890-2/2006		196 g/l
Packaging	2,5 Lt		



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## Application and use

### SURFACE PREPARATION

Steel – stainless steel: pressure wash with fresh water and remove any trace of oil or grease (wash with a specific solvent if necessary). All surfaces to be painted must be clean, dry and with no contaminants (if it can be useful to assess the degree of salinity, implement the Bresle ISO 8502-6 method). Make sure that this metal shows an appropriate “steel preparation” condition (on weld joints, corners and other imperfections; it is required a P3 degree of ISO 8501-3).

As metal preparation treatment, perform a grade Sa 2½ (ISO 8501-1/3) sandblasting with surface profile between 50 and 80 µm (surface roughness value: Ry5 or RzDIN; corresponding to Medium Grade - 8503-1), by means of an appropriate abrasive. Cover the metal with the required product according to the above mentioned standard and before oxidation starts to appear and colors start modifying their aspect.




Blow with fresh and clean air to remove any abrasion or dirt waste and finally apply the required products.

### Application data



Mixing ratio by volume			
Base (comp. A)	904.001		3:2
Hardener (comp. B)	904.000C		
Mixing ratio by weight			
Base (comp. A)	904.001		66 w/w 33 w/w
Hardener (comp. B)	904.000C		
Pot-life			50 min. at 20 °C
NB: do not use this product when Pot-life time is exceeded			
Thinner			Food-grade alcohol (max 5%)
NB: the indicated dilution % is considered on the catalyzed product			
Tool cleaning			<b>693</b>



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Application methods		Airless Pressure 150 bar Nozzle 0.3 – 0.6 mm Angular range: 65° - 80°	
			
Dry film thickness per coat	Standard application range	125 - 200 µm	
	Recommended	150 µm	
Wet film thickness per coat	Standard application range	160 - 250 µm	
	Recommended	190 µm	
Theoretical coverage	150 µm	6,6 m <sup>2</sup> /litre	
Practical coverage [loss value 30%]	150 µm	4.6 m <sup>2</sup> /litre	
Note	This product is provided in two tins to be mixed entirely and carefully before use. In case it is required, dilution has to be performed after the mixing of the two components. The 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 			10 h	24 h	8 h	24 h	6 h	18 h
Full curing 			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 painting film is perfectly dry before applying a further product coat.*



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### 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 15 °C or higher than 30 °C; substrate temperature must not be lower than 10 °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 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

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 the recycling center.

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 center, 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.



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## Notes

The values indicated in the present technical sheet can have slight variations from one batch to another. All data refer to the mixed product. The applied product must not come in contact with water, chemicals or subjected to mechanical stress before the curing is complete. 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.