



YachtCoatings
BOERO FRESH WATER ^{EU}
TECHINCAL DATA SHEET

Product description

New generation epoxy coating specifically formulated for interior surfaces intended to come in contact with fresh water. This product is certified and in compliance with DM 174/2004. BOERO FRESH WATER ^{EU} is a waterproofing and insulation product with an elevated resistance to chemical agents. It is an odorless and solvent-free product, easily applicable even in confined spaces and with an excellent adhesion if directly applied, also on aluminum.

Product Information

Finish	Semi-glossy		
Colour	White .001, Grey .051		
Solids (by volume)	ASTM D2369		100 %
Specific gravity	UNI EN ISO 2811-1		1,30 ÷ 1,35 g/cm ³
Flash point	UNI EN ISO 13736		100 °C
VOC (calculated average content)	ISO 11890-2/2006		0 g/l
Packaging	5 Lt		

Application and use

SURFACE PREPARATION

Im 1 - Im 2 (ISO 12944-2): verify that the metal has adequate conditions of "steel preparation" on borders, edges (both rounded with a radius ≥ 2 mm), welds and it is free of slag, welding shot and various imperfections: grade **P 3 - ISO 8501-3** required.

Wash by pressure with fresh water (200-300 bar) and remove any trace of oil and grease. The latter must be perfectly removed in compliance with the specifications SSPC-SP1, cleaning using solvent ISO 12944-4, part 6 (if necessary, repeat the washing process). All surfaces to be painted must be cleaned, dry, with no contaminants, with Bresle method, the salinity degree advised is ≤ 50 mg/m² (ISO 8502-6/9).



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Steel: as metal preparation treatment, perform a sandblasting grade Sa 2½ (ISO 8501-1/2/3). For surfaces covered with shop-primer, if the latter is perfectly intact and adherent, it is possible to perform a commercial sandblasting P Sa 2 (ISO 8501-1/2/3). Coat the metal before it presents principles of oxidation and/or colour variation.

Stainless steel: using suitable non-metallic abrasives perform an accurate sandblasting treatment: the surface layer of the metal must be completely and uniformly renewed, by removing any trace of oxidation, and covered with the intended product the same day of the preparation.

Aluminium: sand down uniformly by using extra coarse-grained discs no. P 36 - P 40 (mechanical cleaning) or, as an alternative, by using suitable non-metallic abrasives, perform an accurate sandblasting treatment: the surface layer of the metal must be completely and uniformly renewed, by removing any trace of oxidation, and painted the same day of the surface preparation.

Fiberglass: clean the surface with specific dewaxer for gelcoat and wash at high pressure with fresh water (200-300 bar). Check that there are no residues of wax, grease or oil (these last two must be perfectly removed according to SSPC-SP1 specifications, solvent cleaning - ISO 12944-4, part 6, if needed, repeat the washing phases). All surfaces to be painted must be clean, dry and without contamination (if necessary use the Bresle method ISO 8502-6/9 to check the salinity grade). Sand uniformly using n. P 80 - P 120 grit sandpaper and prime the treated surface within 48 hours (use n. P 60 - P 80 with a gelcoat-free substrate, in this case it may be necessary to increase the thickness of the anticorrosive undercoat).

With metallic substrate, make sure that a suitable surface incision is performed: the suggested roughness value of Rz or Ry5, obtained after blasting or mechanical cleaning, is 50 - 80 µm (ISO 8503).

Before proceeding with the application of the intended products, check and complete the support cleaning by removing any trace of sanding and dirt.

To determine specific or different surface treatments, please ask for an inspection to be carried out by our technical staff.










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APPLICATION PROCEDURE

Apply one coat of grey BOERO FRESH WATER ^{EU} and then, respecting the coating times indicated in the schedule below, apply a second coat of white BOERO FRESH WATER ^{EU}

Application data

Mixing ratio by volume		5:1
Mixing ratio by weight Base (comp. A) 910.--- Hardener (comp. B) 910.000C		88 w/w 12 w/w
Pot-life NB: do not use this product when Pot-life time is exceeded		45 min. at 20 °C
Thinner NB: the indicated dilution % is considered on the catalyzed product		Food-grade alcohol (5 - 10%)
Tool cleaning		693
Application methods		Airless Pressure 150 bar Nozzle 0.3 - 0.6 mm Angular range : 65° - 80°
	 	
Dry film thickness per coat	Standard application range	150 - 200 µm
	Recommended	160 µm
Wet film thickness per coat	Standard application range	150 - 200 µm
	Recommended	160 µm
Theoretical coverage	160 µm	6.3 m ² /litre



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Practical coverage (loss value 30%)	160 µm	4.4 m ² /litre
Note	The product is provided in two tins to be carefully and entirely mixed before use. The product is ready to use. 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	72 h	8 h	72 h	6 h	48 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.*

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.



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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 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 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.

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.