



YachtCoatings

# BOEROGUARD

## TECHNICAL DATA SHEET

### Product description

High solid, surface tolerant, epoxy, two-component primer, which can be applied with high thicknesses. Created for the treatment of surfaces which cannot be prepared adequately. This product is based on a particular combination of resins and pigments that create excellent physical characteristics such as adhesion, anti-corrosion, elasticity and abrasion-resistance. It does not deteriorate when in contact with fresh or sea-water. Thanks to the high presence of solids, it can be applied with a high thickness too. Moreover, application is possible on sanded surfaces, as well as on those that underwent a ST2 preparation. It can be used as a primer for any type of surface and for osmosis treatment on polyester.

### Product information

|                                  |                   |  |                               |
|----------------------------------|-------------------|--|-------------------------------|
| Finish                           | Semi-glossy       |  |                               |
| Colour                           | White .001        |  |                               |
| Solids (by volume)               | ASTM D2369        |  | 75 ± 2%                       |
| Specific gravity                 | UNI EN ISO 2811-1 |  | 1,40 ÷ 1,46 g/cm <sup>3</sup> |
| Flash point                      | UNI EN ISO 13736  |  | 30 °C                         |
| VOC (calculated average content) | ISO 11890-2/2006  |  | 233 g/l                       |
| Packaging                        | 2,5 – 20 Lt       |  |                               |



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### Application and use

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#### **SURFACE PREPARATION**

For surfaces that have been treated with other coatings in bad condition, it is important to remove the previous coat up to the surface.

**Steel:** Pressure wash with fresh water and remove any trace of oil and grease (wash with a specific solvent if necessary). All surfaces to be painted must be clean, dry and with no contaminants (if the need to assess the salinity degree arises, implement the Bresle ISO 8502-6 method). Areas protected by shop primer can be directly covered. On the areas protected with shop primer, the product can be applied directly. Areas which present principles of oxidation and/or residue from hot working of the metal must undergo a treatment of coarse grain dishing (mechanical cleaning), degree ST2 (SIS 05.59.00 1967). Before applying the products, blow with clean and dry air to remove any residual deriving from sanding, dirt or dust. In case of new constructions, cover the prepared surface as required.

**Aluminum:** Wash the surface as for steel. Be careful not to polish the surface without exceeding with the incision. The surface profile (roughness Ry5 or Rz) must be around 50 – 80 µm. Before applying the coatings, blow with clean and dry air to remove any residual deriving from sanding, dust or dirt.

**Fiberglass:** Degrease the surface to be treated with a specific solvent or detergent. Pressure wash with fresh water and remove any trace of oil and grease. All surfaces to be painted must be clean, dry and with no contaminants. Sandpaper with P150 - P180 abrasive paper. Blow with dry and clean air to remove any dust or dirt residual.

**New or brought to new wood:** The moisture content must not exceed 18%. All surfaces to be painted must be clean, dry and with no contaminants. Sandpaper with P80 – P120 paper. Before applying, blow with clean and dry air to remove any sanding or dirt residual.

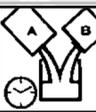


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### Application data

|   |  |   |
|---|--|---|
| Mixing ratio by volume<br>Base (comp. A) 967.---<br>Hardener (comp. B) 967.000C               |     | 4:1   |
| Mixing ratio by weight<br>Base (comp. A) 967.---<br>Hardener (comp. B) 967.000C               |     | 87 w/w<br>13 w/w  |
| Pot-life<br>NB do not use this product when Pot-life time is exceeded                         |     | 2 hrs at 20 °C  |
| Thinner/Cleaning tools<br>NB: the indicated dilution % is considered on the catalyzed product |   | <b>693</b> - Roller/Brush (10% max)<br><b>693</b> – Conventional spray/Airless: (10% max) |
| Application methods   |   | Conventional<br>Pressure 3,5 bar<br>Nozzle 1,9 – 2,2 mm                                   |
|   |   | Airless<br>Pressure 150 bar<br>Nozzle 0.3 – 0.6 mm<br>Angular range: 40° - 80°            |
|   |  |   |
| Dry film thickness per coat   | Standard application range   | 150 – 250 µm  |
|   | Recommended  | 200 µm  |
| Wet film thickness per coat   | Standard application range   | 200 – 350 µm  |
|   | Recommended  | 270 µm  |
| Theoretical coverage  | 200 µm   | 3,8 m <sup>2</sup> /l   |
| Practical coverage<br>[loss value 30%]  | 200 µm   | 2,7 m <sup>2</sup> /l   |
| Recommended primers   | Shop primer - Delta 3000   |   |



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**Notes** 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       | Epoxy products or polyesters |  | 24 hrs      | NL  | 18 hrs  | NL  | 12 hrs  | NL  | 6 hrs  | NL  |
|                |                              |  | Full curing |     | 14 days |     | 10 days |     | 7 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 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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## TECHNICAL DATA SHEET

### 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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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 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.

### Notes

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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.

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5