

# RAFFAELLO NEXT

## TECHNICAL DATA SHEET

### Product description

#### PROFESSIONAL AND DIY USAGE

Top quality, hydrophilic matrix self-polishing antifouling. Its formula, which combines biocide and carbon, provides a great antifouling power and a natural fluidity in all operational conditions. It is effective in hot, temperate seas and mixed water. It has a controlled solubility and it is particularly suitable for prolonged moorings.

It complies with the IMO (AFS/CONF/26) antifouling requirements and contains active substances according to the **BPR Regulation (Regulation (EU) No 528/2012)**.

**Only the white colour is suitable for alloy hulls.**

### Product information

|                                  |  |  |
|----------------------------------|--|--|
| Finish                           | Matt   |  |
| Colour                           | Black .708, Deep blue .512, Light blue .601, Red .375, White .153<br><i>The colour of the antifouling paint after diving may be slightly different. Small tinting differences may occur between different production batches: in case mix them before the application.</i> |  |
| Solids (by volume)               | ASTM D2369   | 50 ± 2 %   |
| Specific gravity                 | UNI EN ISO 2811-1  | 1,80 ÷ 1,90 g/cm <sup>3</sup><br>1,60 ÷ 1,70 g/cm <sup>3</sup> (white) |
| Flash point                      | UNI EN ISO 13736   | 30° C  |
| Average shelf life               |  | 2 years  |
| VOC (calculated average content) | ISO 11890-2/2006   | 417 g/l  |
| Packaging                        | 0,75 - 2,5 Lt  |  |

# RAFFAELLO NEXT

## TECHNICAL DATA SHEET

### Application and use

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#### **SURFACE PREPARATION**

##### **Surfaces with old antifouling**

Good condition: remove contaminants and any vegetation through high pressure wash with fresh water. Sandpaper in wet conditions with 120-180 grain paper. If the old antifouling is unknown, apply a coat of an insulator like TICOPRENE.

Bad condition: remove contaminants, like vegetation and non-adherent material through high-pressure wash with fresh water. Sandpaper in wet conditions with 80-120 grain paper or with a slight sandblasting, paying attention not to damage the paint system underneath the old antifouling. Apply coat of ADHERPOX or TICOPRENE primer onto the entire treated area before proceeding with the antifouling application.

##### **New surfaces or brought to new**

Fiberglass: Degrease the surface to be treated with solvent or with a suitable detergent. Wash with fresh water and remove any traces of oil and grease. All surfaces to be painted must be clean, dry and free of contaminants. Sandpaper with abrasive paper no. P180 - P220 and apply the primer onto the treated surface. Before proceeding with the application of the products, blow with clean and dry air to remove any residual sanding and dirt.

Steel: Wash with fresh water and remove any trace of oil and grease (in case, wash with the specific solvent). All surfaces to be painted must be clean, dry and free of contaminants. Perform a sandblasting treatment of grade Sa 2½ or, after consultation with our technicians, a mechanical cleaning degree St 3.

Overcoat with the proper primer the treated metal before oxidizing principles are present. Before proceeding with the application of the products, blow with clean and dry air to remove any residual sanding and dirt.

New wood: The moisture content of the support must not exceed 18%. All surfaces to be painted must be clean, dry and free of contaminants. Sandpaper with paper no. P80 - P120. Before proceeding with the application of the products, blow with clean and dry air to remove any residual sanding and dirt.

Lead: Wash with fresh water and remove any trace of oil and grease (in case, wash with the specific solvent). All surfaces to be painted must be clean, dry and free of contaminants. Sand down with large grain disks P40-60 (mechanical cleaning). The surface layer of metal must be completely and uniformly renewed, removing any oxidation residue and coated with the primer provided on the same day of preparation. Be careful not to exceed the incision. Before proceeding with the application of the products, blow with clean and dry air to remove any residual sanding and dirt.

# RAFFAELLO NEXT

## TECHNICAL DATA SHEET

### APPLICATION METHOD

Application methods



### Professional use

Application methods



Conventional  
Pressure 3,5 bar  
Nozzle 1,7 – 1,9 mm



Airless  
Pressure 150 bar  
Nozzle 0.3 – 0.6 mm



### APPLICATION DATA

Thinner



6470

Dry film thickness per coat

Standard application range

40 - 60  $\mu$ m

Recommended

40  $\mu$ m

Wet film thickness per coat

Standard application range

80 - 120  $\mu$ m

Recommended

80  $\mu$ m

Theoretical coverage at the recommended thickness

Application range at the recommended thickness

12,5 m<sup>2</sup>/litre

N° coats

2 coats for a seasonal protection.  
Apply an extra coat in areas subjected to higher consumption/friction

# RAFFAELLO NEXT

## TECHNICAL DATA SHEET

Recommended primers

ADHERPOX suitable for all substrates  
 TICOPRENE usable as primer on wood, iron, fiberglass  
 or as insulator on old antifouling paints  
 ADHERGLASS on fiberglass

### Dry time

| Temperature °C   | 10   |            | 15   |            | 20   |            | 30  |            |
|------------------|------|------------|------|------------|------|------------|-----|------------|
|                  | Min  | Max        | Min  | Max        | Min  | Max        | Min | Max        |
| Coverage (50 µm) | 18 h | N.L.       | 12 h | N.L.       | 6 h  | N.L.       | 4 h | N.L.       |
| Launching        | 24 h | 1-6 months | 18 h | 1-3 months | 12 h | 1-3 months | 8 h | 1-2 months |

**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 THE APPLICATION

In order to avoid the formation of condensation, the temperature of the surface should be at least 3 °C above dew point. During the 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.

### Storage

It is recommended to avoid exposure to air and extreme temperatures. To maximize the shelf life in the can, it is good to check that the container is well closed during the storage and the temperature is between 5 °C and 35 °C. Avoid exposure to direct sunlight.

# RAFFAELLO NEXT

## TECHNICAL DATA SHEET

### 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 BIOCIDAL PRODUCTS AND PACKAGING

Empty packaging containing biocidal 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 biocidal product: Dispose of the product not used 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.

#### INSTRUCTIONS FOR THE SAFE SECURITY OF BIOCIDAL PRODUCTS AND PACKAGING.

Empty containers and containers still containing the biocidal product: Packaging must be disposed of as hazardous waste under the full responsibility of the holder of such waste. Do not empty into drains or watercourses.

### 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 subjected to mechanical stress before the curing is complete. The wet film thickness refers to the undiluted product. In case of dilution, this value increases. 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 their 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.

# RAFFAELLO NEXT

## TECHNICAL DATA SHEET

### Recommendations

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After the application of the last coat the maximum launching period of the antifouling is one month; with top quality copper oxide based products and with the agreement with our technical staff, the launching time may extend up to 3 months, providing that the hull is protected from moisture, rain or atmospheric agents with plastic or similar material.