

PRODUCTS & ADVICE

MARINE PAINTS

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# NAUTIX





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# Your Nautix Guide

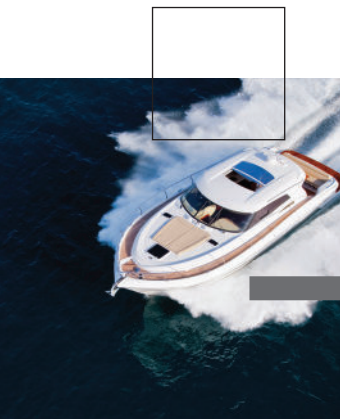
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The information published in this document is indicative. Please refer to the technical data sheets available on [nautix.com](http://nautix.com) for our safety and technical recommendations.

Création : twins communication - February 2023

Crédits photos : Victor Rault, Nautix, Anne Beaugé, Jakez, Thierry Martinez, Charles Belbeoch, Jacques Vapillon, Alain Colard, Adobe Stock sous licences

# SUMMARY



# Nautix

**Nautix paints meet the high standards for technology, performance and aesthetics.**

Nautix is recognised as a leader in marine paints for ocean racing, and maintains close relationships with skippers and racing teams. Nautix paints meet the specific requirements of these teams for racing boat hulls: protection of the composites, decoration or non-skid paint systems, thus providing products which can be directly applied to recreational boats. Nautix offers complete paint protection systems: specific cycle for aluminium boats, prevention or curative treatments for osmosis, corrosion protection or refit of cast iron keels.

We focus on designing the right solution for each skipper for all boat types.

**Nautix was created in 1980, and develops, formulates and manufactures marine paints.**

## #Nautix Paints solutions

Internal studies carried out by our laboratories have allowed for research and development of our own technical solutions. The formulas are then tested "in situ" in static and dynamic conditions on various supports around the world, and also on boats with specific sailing programmes.

Nautix offers a range of **exclusive and innovative products** to cover the specific needs of construction sites and individuals.

**Since 1994, Nautix has created numerous national and international collaborative basic research programmes, including universities and large companies.** These programmes have resulted in scientific publications, and have led to a better understanding of the development of fouling and created new technical orientations.

In 2017, Nautix teamed up with Université de Bretagne Sud (University of Southern Brittany) and the Marine Biotechnology and Chemistry Laboratory (LBCM) to create the joint laboratory SAFER, Eco-friendly antifouling solutions (Solution Anti Fouling Eco Responsable). This laboratory is supported by the French National Research Agency (Agence Nationale de la Recherche), and aims to analyse the environmental impact of existing or recently introduced solutions and to develop alternative and sustainable solutions for the future.



# Nautix recommendations

## Before you start painting

1



Download the technical data sheets for the paints you are applying from [www.nautix.com](http://www.nautix.com).

2



Calculate the surface to be painted and the quantity of paint required, check for drying and recoat times.

3



Also check the weather conditions and in particular the temperature of the substrate, the ambient air and the products.  
(do not exceed a difference of 3°C between the three variables to avoid condensation).

4



Prepare your work area. A clean environment around your boat improves the quality of your work.

5



Work in a well ventilated area. Wear appropriate protective gear: coveralls, gloves, a respirator and goggles.

## Calculate the surface of your boat's hull

### ■ Sailing boat

$$\left[ \text{Hull length (m)} \times \left( \text{Hull width (m)} + \text{Hull depth (m)} \right) \right] \times 0,7 = \text{Surface (m}^2\text{)}$$

### ■ Power boat

$$\left[ \text{Hull length (m)} \times \left( \text{Hull width (m)} + \text{Hull depth (m)} \right) \right] = \text{Surface (m}^2\text{)}$$

**Tip:** Apply an extra coat at the waterline and on the appendages.

## Preparing the substrate: a critical step

Careful preparation of the surface is the prerequisite for a successful paint job.

Wash the surface with clean water, degrease if necessary. Then prepare the surface to be painted with 80-120 grit abrasive. Never dry sand antifouling systems to avoid inhaling dust. Use a clean cloth soaked in SD Nautix solvent degreaser for the last cleaning treatment before painting.

**p 26 • Discover our range**



## Mixing paint properly

Antifouling compounds are heavy and can settle at the bottom of the can, therefore it is important to mix the paint by stirring it with an electrical mixer for 4 minutes. For a two-component paint, stir the two components separately before adding the hardener to the base. Allow the mixture to stand for 10 minutes before application. A thinner can be added after mixing, if necessary.

# Antifoulings

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+ Our videos on Youtube



|                                 | A3 YACHTING   | A4 YACHTING  | A1  | A7 T.SPEED  | A8  | PERFORMER YACHTING  | MARIN YACHTING   |
|---------------------------------|---|--|---|---|---|---|--|
| <b>MAIN FEATURES</b>            | <ul style="list-style-type: none"> <li>• Ablative</li> <li>• For sailboats and motorboats up to 30 knots or afloat all year round</li> <li>• High performance antifouling</li> <li>• Heavy fouling areas</li> </ul> | <ul style="list-style-type: none"> <li>• Hard matrix</li> <li>• For fast sailboats and motorboats (&gt;30 knots) or those that run aground</li> <li>• High performance antifouling</li> <li>• Heavy fouling areas</li> </ul> | <ul style="list-style-type: none"> <li>• Mixed matrix</li> <li>• For aluminium boats</li> <li>• For any type of construction</li> </ul> | <ul style="list-style-type: none"> <li>• Hard matrix</li> <li>• For propeller and Z-drive</li> <li>• Available in can or spray</li> </ul> | <ul style="list-style-type: none"> <li>• Hard matrix</li> <li>• For inflatable boats</li> </ul> | <ul style="list-style-type: none"> <li>• Mixed matrix</li> <li>• Multipurpose antifouling for sailboats, fishing boats and powerboats in the water</li> <li>• Medium fouling areas</li> </ul> | <ul style="list-style-type: none"> <li>• Mixed matrix</li> <li>• Multipurpose antifouling for sailboats, fishing boats and powerboats in the water</li> <li>• Low fouling areas</li> </ul> |
| <b>COVERAGE M<sup>2</sup>/L</b> | 10  | 10   | 10  | 10 - (2 in spray)   | 10  | 10  | 10   |
| <b>COATS RECOMMENDED</b>        | 2   | 2  | 2   | 2 - (5 to 6 with spray)   | 2   | 2   | 2  |
| <b>COLOURS</b>                  |   |  |   |   |   |   |  |
| <b>PACKAGING</b>                | 0.75L / 2.5L  | 0.75L / 2.5L   | 0.75L / 2.5L / 20L  | 0.35L / 0.5L (spray) / 0.75L / 2.5L   | 0.75L   | 0.75L / 2.5L  | 0.75L / 2.5L   |
| <b>THINNER</b>                  | DA  | DA   | DA  | DA  | DA  | DA  | DA   |
| <b>SUBSTRATE</b>                | GRP<br>Wood<br>Steel  | GRP<br>Wood<br>Steel   | GRP<br>Wood<br>Aluminium  | Aluminium<br>Bronze<br>Stainless steel  | Inflatable<br>GRP   | GRP<br>Wood   | GRP<br>Wood  |

Use biocides with care. Read the label and product information before use. Follow the precautions for use. Some products are for professional use.

# Antifouling for professionals

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+ Our videos on Youtube



|                                 | A3 FORMULA +   A3 WHITE   | A4 FORMULA +   A4 WHITE   | A88 FORMULA +   | PERFORMER PRO   | PRO YACHTING   | A9000 SPC   |
|---------------------------------|---|---|---|---|--|---|
| <b>MAIN FEATURES</b>            | <ul style="list-style-type: none"> <li>• Self-polishing</li> <li>• For sailboats and motorboats up to 30 knots afloat all year round</li> <li>• Reinforced efficiency against fouling</li> <li>• Heavy fouling areas</li> </ul> | <ul style="list-style-type: none"> <li>• Hard matrix</li> <li>• For fast sailboats and motorboats (&gt;30 knots) or those that run aground</li> <li>• Reinforced efficiency against fouling</li> <li>• Heavy fouling areas</li> </ul> | <ul style="list-style-type: none"> <li>• Mixed matrix</li> <li>• Suitable for speedboats, sailing boats and superyachts</li> <li>• Reinforced efficiency against fouling</li> <li>• Highly effective for heavy fouling areas</li> </ul> | <ul style="list-style-type: none"> <li>• Mixed matrix</li> <li>• Multipurpose antifouling for sailboats and powerboats up to 30 knots</li> <li>• Reinforced efficiency against fouling</li> <li>• Medium fouling areas</li> </ul> | <ul style="list-style-type: none"> <li>• Mixed matrix</li> <li>• For sailboats and motorboats.</li> <li>• Low fouling areas</li> </ul> | <ul style="list-style-type: none"> <li>• Self-polishing copolymer</li> <li>• Very long lasting antifouling for sailboats, motorboats and superyachts up to 25 knots</li> <li>• Ideal for long distance sailing</li> </ul> |
| <b>COVERAGE M<sup>2</sup>/L</b> | 10  | 10  | 10  | 10  | 10   | 10  |
| <b>COATS RECOMMENDED</b>        | 2   | 2   | 2   | 2   | 2  | 2   |
| <b>COLOURS</b>                  |   |   |   |   |  |   |
| <b>PACKAGING</b>                | 2.5L / 5L (except white) / 20L  | 2.5L / 5L (except white) / 20L  | 2.5L / 5L / 20L   | 5L / 20L  | 5L / 20L   | 5L  |
| <b>THINNER</b>                  | DA  | DA  | DA  | DA  | DA   | DA  |
| <b>SUBSTRATE</b>                | GRP<br>Wood<br>Steel  | GRP<br>Wood<br>Steel  | GRP<br>Wood<br>Steel  | GRP<br>Wood<br>Steel  | GRP<br>Wood<br>Steel   | GRP<br>Wood<br>Steel  |

Use biocides with care. Read the label and product information before use. Follow the precautions for use. Some products are for professional use.

# Recommendations for Antifouling

To ensure that the antifouling paint performs as designed, select the right product for your boat and comply with the recommended quantities and the application cycle. It is also important to note that the regulations for antifouling have considerably evolved in recent years: they are now very strict and require manufacturers to control the environmental and toxicological impact of their paints. Choose a Nautix paint to make sure you are using a product whose impact is measured, assessed and considered acceptable by national and European environmental agencies.

## A few tips:

- For overcoating, apply a barrier coat of our P1 primer over unknown or incompatible antifouling paints.
- Never apply a hard matrix antifouling over an ablative paint.
- Nautix antifouling paints are compatible with most antifouling paints on the market.



## How to choose your antifouling

| Size              | SAILING BOAT | POWER BOAT |
|-------------------|--------------|------------|
| 6,10 m / 20 feet  | 2L           | 2,5L       |
| 7,50 m / 25 feet  | 2,5L         | 4L         |
| 9,10 m / 30 feet  | 5L           | 6L         |
| 10,70 m / 35 feet | 6L           | 7,5L       |
| 11,60 m / 38 feet | 7,5L         | 9L         |
| 12,20 m / 40 feet | 8L           | 10L        |
| 13,50 m / 45 feet | 10L          | 12,5L      |
| 15,80 m / 50 feet | 12L          | 18L        |



## How to choose your antifouling

**Your sail boat is in the water all year round or your motorboat is capable of a cruising speed of less than 30 knots or your mooring area is in the current.**

**A3 Yachting ablative** antifouling paint is recommended. An ablative paint will always be more versatile than a hard matrix, especially if the boat does not sail regularly. It is also more effective during periods of heavy fouling or in difficult harbour conditions.

**Your fast cruiser, or racing boat is sponged clean regularly, your boat runs aground or is on trailer.**

You need a product that is resistant to rubbing, with a hard matrix, **A4 Yachting** is the ideal solution.

## Overcoating the old antifouling or sanding?

We recommend removing your old antifouling by sanding with 80-120 paper grade every year before overcoating. This allows to remove the spent resin from the old paint, improves the adhesion of the new coats and the efficiency of your boat.

Cracks or other "weaknesses" in your hull are the most obvious sign of ageing. It is preferable to consider sanding and applying a complete new cycle: primer + antifouling.

**We recommend the application of a complete hull protection system (epoxy primer and antifouling) every 5 years to prevent osmosis.**

# Race Range



|                                 | A4 T.SPEED  | A9 T.SPEED  | WHITE T.SPEED   | NX 194   |
|---------------------------------|---|---|---|--|
| <b>MAIN FEATURES</b>            | <ul style="list-style-type: none"> <li>• Hard matrix</li> <li>• Special gliding-effect antifouling for regatta boats</li> <li>• Requires regular maintenance</li> <li>• Ultra smooth surface</li> </ul> | <ul style="list-style-type: none"> <li>• Hard matrix / Fluorescent</li> <li>• Special antifouling for keel and rudders</li> <li>• Must be applied over white antifouling</li> <li>• Ultra smooth surface</li> </ul> | <ul style="list-style-type: none"> <li>• Ultra glide coating for racing and dry sailing boats</li> <li>• Solution for dry sailing boats staying no more than 15 days in water or with minimum weekly maintenance</li> </ul> | <ul style="list-style-type: none"> <li>• Very hard epoxy finish for foils and rudders</li> <li>• Very hard and abrasion resistant</li> <li>• To be applied on PE epoxy primer</li> </ul> |
| <b>COVERAGE M<sup>2</sup>/L</b> | 10  | 10  | 8   | 8  |
| <b>COLOURS</b>                  |   |   |   |  |
| <b>PACKAGING</b>                | 0.75L / 2.5L / 20L  | 0.75L   | 0.75L / 2L  | 0.75L  |
| <b>THINNER</b>                  | DA  | DA  | DP  | DE   |
| <b>SUBSTRATE</b>                | Polyester<br>GRP<br>Epoxy   | Polyester<br>GRP<br>Epoxy   | Polyester<br>GRP<br>Epoxy   | Epoxy  |

F : Fluo



**Nautix is actively involved in the boat and ocean racing sector** (Mini, Figaro 3, Imoca, Ultim). Our close relationship with many skippers and racing teams has enabled us to understand their needs in terms of performance, efficiency, and also sponsorship and safety.

**In cooperation with the preparation teams and contractors, we were the first to develop a specific range, meeting the different needs and developments of racing sailboats:** primers for protection of composite materials against humidity, ultra-smooth finish for efficiency, fluorescent system for safety, reinforced adhesion solutions on difficult substrates such as stainless steel, protection of appendages against chafing (centre-boards or foils), dedicated non-skid system, etc. This collaboration allows for rapid product development with a direct impact on our product range for refit projects or yachting and fishing enthusiasts.

Use biocides with care. Read the label and product information before use. Follow the precautions for use. Some products are for professional use.



# Impregnation and Adhesion promoters



|                                 | METAPOX  | METATHANE   | IA  | IMPREGARD   | IMPREWOOD  |
|---------------------------------|--|---|---|---|--|
| <b>MAIN FEATURES</b>            | <ul style="list-style-type: none"> <li>Adhesion promoter</li> <li>Strengthens the bond between the metal and the epoxy primer</li> <li>Provides an exclusive solution to metal bonding problems</li> </ul> | <ul style="list-style-type: none"> <li>Adhesion promoter</li> <li>Reinforces the cohesion between the metal and a polyurethane finish (varnish and topcoat)</li> <li>Offers an exclusive solution to adhesion problems on metals</li> </ul> | <ul style="list-style-type: none"> <li>Pore-plugged impregnation paint for cast iron</li> <li>Applied in the anti-corrosion cycle just before the PA primer</li> <li>Easy to apply as no sanding is required after application</li> </ul> | <ul style="list-style-type: none"> <li>Impregnation of composites</li> <li>Solvent-free epoxy resin that reconstitutes the coating of damaged glass fibres</li> <li>Recommended for osmosis curative treatment</li> </ul> | <ul style="list-style-type: none"> <li>One-pack polyurethane impregnation resin for wood and concrete</li> <li>Allows to create a hard base before the application of a primer or a varnish</li> </ul> |
| <b>COVERAGE M<sup>2</sup>/L</b> | 15-20 (sand blasted surface)<br>20-30 (sanded substrate)   | 15-20 (sand blasted surface)<br>20-30 (sanded substrate)  | 14  | 8 (sand blasted surface)<br>12 (sanded substrate)   | 4 to 10 depending on species and surface condition   |
| <b>COATS RECOMMENDED</b>        | 1  | 1   | 1   | 1 or 3 depending on surface condition   | 2  |
| <b>COLOURS</b>                  | Colourless   | Colourless  | ■   | Colourless  | Wet wood   |
| <b>PACKAGING</b>                | 0.75L  | 0.75L   | 0.35L / 0.75L   | 1kg / 2.5kg   | 0.75L / 2.5L   |
| <b>THINNER</b>                  | Do not thin out  | Do not thin out   | DP  | DE  | DP or DA   |
| <b>SUBSTRATE</b>                | Aluminium<br>Steel<br>Stainless steel  | Aluminium<br>Stainless steel  | Cast iron   | Composites<br>Carbon fiber<br>Marine plywood  | Wood<br>Concrete   |

The preparation systems before primer application allow to start with a coherent substrate for the paintwork.

Impregnations such as Impregard, Imprewood or IA are substrate microporosity fillers allowing to obtain a uniform base. Adhesion promoters, developed by Nautix, are simple and effective solutions to recurrent problems with adhesion in paint cycles on metallic substrates.

These innovative products act at the interface between the metal and the paint to enhance adhesion. Metathane reinforces the cohesion between aluminium (or stainless steel) and a polyurethane corrosion protection primer (such as our PA) or a polyurethane finish (VA2 varnish or L2 topcoat). It completes the range created by Metapox, which is an adhesion promoter between the epoxy system (Epoxygard, HPE, PE primers) and metal surfaces.

## How to apply these products?

The surface must first be degreased, sanded or blasted depending on the substrate and the process selected.

It is essential to comply with the cycle for optimal cohesion between the coats.

Some products are dedicated to professional use. Before use, read the label and product. Follow the precautions for use.

# Primers



|                                 | EPOXYGARD  | HPE  | PE  | P1  | P0  | PA   | P7  |
|---------------------------------|--|--|---|---|---|--|---|
| <b>MAIN FEATURES</b>            | <ul style="list-style-type: none"> <li>• High protection epoxy primer</li> <li>• Long wet-wet overcoating period</li> <li>• Can be applied on a sound substrate in thin coats of 130 microns wet max</li> <li>• Can be combined with Impregard for an osmosis treatment</li> </ul> | <ul style="list-style-type: none"> <li>• High build epoxy primer</li> <li>• Filling formulation (200µm in 1 coat) for protection and profile adjustment</li> <li>• Very easy to apply</li> </ul> | <ul style="list-style-type: none"> <li>• Thin epoxy primer</li> <li>• Smooth film particularly suitable for the preparation of regatta hulls</li> </ul> | <ul style="list-style-type: none"> <li>• Universal primer</li> <li>• Interface between 2 layers of antifouling</li> <li>• Allows to isolate an unknown antifouling and anti-corrosive properties</li> </ul> | <ul style="list-style-type: none"> <li>• Osmosis prevention and protection primer</li> <li>• Particularly adapted to difficult climatic conditions: cold and humidity</li> <li>• Strong adhesion</li> <li>• Long recoat time</li> </ul> | <ul style="list-style-type: none"> <li>• Anti-corrosion primer</li> <li>• High performance for metal</li> <li>• Combined with IA for cast iron keel treatment</li> <li>• Particularly adapted to harsh weather conditions</li> </ul> | <ul style="list-style-type: none"> <li>• Primer for propellers and Z-Drive bases</li> <li>• Apply before A7T.SPEED antifouling</li> </ul> |
| <b>COVERAGE M<sup>2</sup>/L</b> | 8,5  | 7-8  | 10  | 10  | 12  | 12   | 1,5 per spray   |
| <b>COATS RECOMMENDED</b>        | Adhesion: 1<br>Protection: 5   | Adhesion: 1<br>Protection: 3 to 5  | Adhesion: 1   | Adhesion: 1   | Adhesion: 1<br>Osmosis Prevention: 5  | Protection: 5  | Adhesion: 1   |
| <b>COLOURS</b>                  |  |  |   |   |   |  |   |
| <b>PACKAGING</b>                | 0.75L / 2.5L / 5L / 20L  | 0.75L / 2.5L / 5L / 20L  | 0.75L / 2.5L / 5L   | 0.35L / 0.75L / 2.5L / 5L   | 0.75L / 3L  | 0.75L / 3L   | 300mL spray   |
| <b>THINNER</b>                  | DE   | DE   | DE  | DP  | DP  | DP   | DP  |
| <b>SUBSTRATE</b>                | Polyester<br>GRP<br>Steel<br>Aluminium<br>Epoxy  | Polyester<br>GRP<br>Plywood<br>Steel<br>Aluminium<br>Epoxy   | Polyester<br>GRP<br>Plywood<br>Epoxy  | Polyester<br>GRP<br>Wood<br>Steel<br>Propeller  | Polyester<br>GRP  | Metal<br>Cast iron<br>Lead   | Aluminium<br>Bronze<br>Stainless steel  |

# Recommendations for primers

Primers are applied first and play an important role in adhesion or protection providing high hardness or a protective barrier. The paint will not reduce small surface deformations on the substrate.

These should be corrected with coatings applied between two coats of primer.

Nautix recommends the P1 primer to create a simple adhesion on gelcoat or wood.

This easy-to-use single-component primer can also be used as an interface if you are unsure about the compatibility with your old antifouling.

Epoxy primers provide extra protection for your hull. 2 coats should be applied (hard base) and up to 5 coats for complete protection. Epoxy primers (Epoxygard, HPE, PE) are recommended when the hull is sound, the application conditions are stable and the recoat principle is known and controlled.

The PO primer features strong adhesion and protection capabilities on all substrates. It is easy to use, one coat is recommended for the adhesion of antifouling paints or 5 coats for osmosis prevention.

## To protect a GRP hull



- PO Primer or Epoxy Primer  
5 coats
- Antifouling  
2 coats

## To ensure adhesion to the substrate



- P1 Primer  
1 coat
- Antifouling  
2 coats

## To refit a steel or aluminium hull



- Metapox Adhesion promoter  
1 coat
- Epoxygard or HPE Primer  
5 coats
- A1 Antifouling  
2 coats

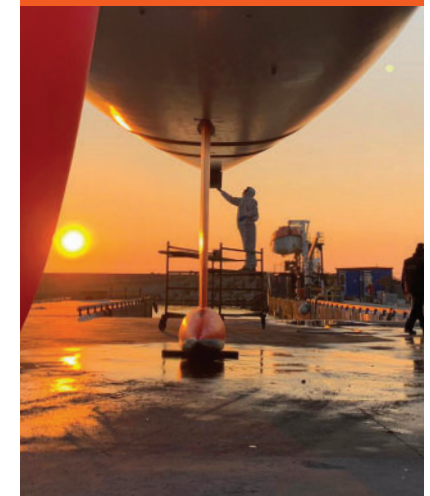
## To protect a cast iron keel



- IA Impregnation  
1 coat
- PA Primer  
4 coats minimum
- Watertight or Bluefiller Epoxy Filler  
1 coat
- Antifouling  
2 coats




### Why use a primer?

Applying a primer not only protects but also prolongs the effectiveness of your antifouling thanks to good adhesion to the substrate.



# Epoxy Fillers



|                                 | BLUEFILLER   | WATERTIGHT   | PINHOLE FILLER   |
|---------------------------------|--|--|--|
| <b>MAIN FEATURES</b>            | <ul style="list-style-type: none"> <li>• Lightweight two-component epoxy filler</li> <li>• Fairing for large surfaces or profiles</li> <li>• Can be applied below and above the waterline up to 20mm</li> <li>• Very easy to sand</li> </ul> | <ul style="list-style-type: none"> <li>• Two-component epoxy filler</li> <li>• Filler for small surface defects or scratches</li> <li>• Very fine when sanded</li> <li>• Fast drying, sandable after 4h at 20°C</li> <li>• Can be applied above and below the waterline</li> </ul> | <ul style="list-style-type: none"> <li>• Two-component epoxy filler for carbon porosity</li> <li>• Very fluid coating to fill microporosities on the carbon surface</li> <li>• Can be applied above and below the waterline</li> <li>• Application with a spatula</li> </ul> |
| <b>COVERAGE M<sup>2</sup>/L</b> | 1 base / 1 hardener (volume & weight)  | 1 base / 1 hardener (volume & weight)  | 1 base / 1 hardener (volume & weight)  |
| <b>COLOURS</b>                  |   |   |   |
| <b>PACKAGING</b>                | 5L / 30L   | 0.25L (tube) / 0.25L (can) / 1L / 5L   | 1kg  |
| <b>THINNER</b>                  | -  | -  | -  |
| <b>SUBSTRATE</b>                | Polyester<br>Rigid wood<br>Aluminium<br>Steel<br>Epoxy   | Polyester<br>Rigid wood<br>Aluminium<br>Steel<br>Epoxy   | Epoxy<br>Carbon  |



Fillers are used to prepare the surface of your boat, for repairing scratches, levelling out deformations and reshaping profiles. Nautix recommends the application of a filler between two coats of primer before applying the protective or top coat. Sand the filler before applying the following coats to ensure good paint adhesion. Nautix epoxy fillers are solvent-free and non-shrink. They adhere particularly well to composite materials, wood and metals. They are ideally suited for applications below and above the waterline. Nautix quick-drying fillers are very easy to mix (1:1 ratio) and to sand, and provide a smooth finish.



# Topcoats and undercoats



|                                 | L2   | COOLBLACK   | U2   | STARLAC   | UNDERCOAT   | EPOXYCOAT   | DB   |
|---------------------------------|--|---|--|---|---|---|--|
| <b>MAIN FEATURES</b>            | <ul style="list-style-type: none"> <li>• Twin-pack polyurethane paint</li> <li>• Very high gloss level</li> <li>• Very good resistance to UV</li> <li>• Many colour choices</li> <li>• Possibility of tinted topcoats: consult us</li> </ul> | <ul style="list-style-type: none"> <li>• Low heat absorption «cold» finishing paint</li> <li>• Black two-pack polyurethane coating</li> </ul> | <ul style="list-style-type: none"> <li>• Twin-pack epoxy undercoat</li> <li>• Provides a clear, even base before painting</li> </ul> | <ul style="list-style-type: none"> <li>• Single-pack urethane topcoat</li> <li>• Easy to apply</li> <li>• Lasting shine</li> <li>• Tense</li> <li>• Good UV resistance</li> </ul> | <ul style="list-style-type: none"> <li>• Single pack opacifying undercoat</li> <li>• Easy to apply</li> </ul> | <ul style="list-style-type: none"> <li>• Epoxy topcoat for freshwater boats</li> <li>• To be applied below the waterline</li> <li>• High resistance to friction and hydrocarbons</li> <li>• Can be applied over an epoxy primer such as PE</li> </ul> | <ul style="list-style-type: none"> <li>• Satin bilge paint</li> <li>• Single-pack paint for bilges, bulkheads and lockers</li> <li>• High opacity</li> <li>• Good resistance to oil and fuel impregnation</li> </ul> |
| <b>COVERAGE M<sup>2</sup>/L</b> | 12   | 12  | 10   | 14  | 14  | 10-12   | 10   |
| <b>COLOURS</b>                  |  |   |  |   |   |   |  |
| <b>PACKAGING</b>                | 0.75L / 2L   | 0.75L / 2L  | 0.75L / 2.5L   | 0.35L / 0.75L / (2.5L white only)   | 0.75L / 2.5L  | 2L  | 0.75L / 2.5L   |
| <b>THINNER</b>                  | DP   | DP  | DE   | WS  | WS  | DE  | WS   |
| <b>SUBSTRATE</b>                | GRP<br>Aluminium<br>Marine plywood<br>Polyester<br>Metal<br>Epoxy  | GRP<br>Marine plywood<br>Polyester<br>Steel<br>Epoxy  | GRP<br>Polyester<br>Wood<br>Aluminium<br>Steel   | GRP<br>Polyester<br>Wood<br>Steel   | GRP<br>Polyester<br>Wood<br>Steel   | GRP<br>Polyester<br>Wood<br>Steel   | Polyester<br>Wood<br>GRP<br>Steel  |

UNDERCOATS AND TOPCOATS

UNDERCOATS AND TOPCOATS

# Varnishes



## MAIN FEATURES

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• Single-pack, colourless varnish</li> <li>• Gloss and wood protection</li> <li>• Marine and UV resistant</li> <li>• Easy to apply</li> <li>• Very good stretching</li> </ul> | <ul style="list-style-type: none"> <li>• Twin-pack colourless polyurethane varnish</li> <li>• Excellent durability and abrasion resistance</li> <li>• Marine and UV resistant</li> <li>• Perfect tension</li> <li>• High gloss</li> <li>• Can be applied over a two-pot topcoat to increase the depth effect</li> </ul> |
|--|---|

## COVERAGE M<sup>2</sup>/L

|    |   |
|----|---|
| 14 | 9 |
|----|---|

## COLOURS

|             |             |
|-------------|-------------|
| Gloss/Satin | Gloss/Satin |
|-------------|-------------|

## PACKAGING

|               |            |
|---------------|------------|
| 0.35L / 0.75L | 0.75L / 2L |
|---------------|------------|

## THINNER

|    |    |
|----|----|
| WS | DP |
|----|----|

## SUBSTRATE

|      |   |
|------|---|
| Wood | GRP<br>Polyester<br>Plywood<br>Steel<br>Epoxy |
|------|---|

# Non-skid paints



## DECK GRIP

- Single-pack non-skid paint
- Ready to use
- Fine non-skid filler for an even and durable surface
- Thin coat application for a uniform finish

## NAUTIX GRIP

- Two-pack translucent anti-slip paint
- Ideal for high traffic areas
- Can be tinted by incorporating topcoat or applied over two-pot topcoat

## GRIP ADDITIVE

- Non-skid compounds to be added to single or two-component topcoats or varnishes
- The medium additive is not very aggressive for raincoats, sailing trousers and ropes, it is intended for low traffic areas
- The hard additive is preferable for high traffic areas

|   |   |   |
|---|---|---|
| 8 | 8 | - |
|---|---|---|

|     |            |                |
|-----|------------|----------------|
| □ ■ | Colourless | Medium or Hard |
|-----|------------|----------------|

|       |             |   |
|-------|-------------|---|
| 0.75L | 0.5kg / 3kg | Medium: 100g / 250g<br>Hard: 200g / 1kg |
|-------|-------------|---|

|    |    |   |
|----|----|---|
| DA | DP | - |
|----|----|---|

|  |  |
|--|--|
| GRP<br>Polyester<br>Wood<br>Aluminium<br>Stainless steel | GRP<br>Polyester<br>Wood<br>Steel<br>Plexiglas |
|--|--|

# Surface Preparation



|               | STRIPPER  | SD  | POLISH  | POLISH +  | SCOURING ACID   |
|---------------|---|---|---|---|---|
| MAIN FEATURES | <ul style="list-style-type: none"> <li>• Very powerful stripping gel for antifouling</li> <li>• Softens layers of antifouling, topcoats, single-component varnishes and non-skid paints</li> <li>• Remove paint with a spatula and clean with DA</li> </ul> | <ul style="list-style-type: none"> <li>• Solvent degreaser for cleaning and preparing surfaces for painting</li> <li>• Also used for cleaning laminating tools</li> </ul> | <ul style="list-style-type: none"> <li>• Polishing paste for oxidised or tarnished surfaces</li> <li>• Gives a soft, shiny finish to gelcoat and old paintwork</li> </ul> | <ul style="list-style-type: none"> <li>• Polishing paste for oxidised or tarnished surfaces</li> <li>• Finishing to accentuate and enhance the shine of surfaces after polishing</li> </ul> | <ul style="list-style-type: none"> <li>• To prepare aluminium in areas where grinding is not possible</li> <li>• Rinse thoroughly before applying the protection</li> </ul> |
| APPLICATION   | Large brush   | With cloth  | By machine  | By machine  | With brush  |
| PACKAGING     | 5L  | 0.75L / 2.5L / 5L   | 1kg   | 1kg   | 1L  |



# Applying protective paint on an aluminium hull

## 1 | Preparing the surface to be painted

Preparation is a critical step. Start by degreasing your surface with SD. Mechanical sanding (36-40 grain special aluminium). The resulting surface should be uniform, slightly dull and rough.

**Rinse with fresh water and allow to dry. Apply the paint within half a day.** If you exceed this time, it will be necessary to repeat the surface deoxidisation operation, either by sanding or with deoxidising acid (followed by high-pressure rinsing).

Surface preparation



## 2 | Apply our METAPOX adhesion promoter

Metapox is a Nautix innovation, it was developed to enhance the adhesion of epoxy primer on aluminium. Apply with a brush, roller or even a cloth. Metapox is very liquid and transparent, do not try to apply thick coats. Wet the surface evenly with a very thin coat. As soon as the product is dry, apply your epoxy primer.

**Do not apply Metapox if you are not sure to apply the first coat of epoxy within half a day.**

METAPOX 1 coat



## 3 | Substrate barrier coat - EPOXYGARD primer

Apply the first coat of Epoxygard. The recommended thickness is 130µm wet maximum. To avoid condensation, the substrate and paint must be at the same temperature as the ambient air. This coat provides a hard, uniform base, and reveals hull defects before applying the coating.

EPOXYGARD 1 coat



## 4 | Coating with WATERTIGHT or BLUEFILLER

Depending on the extent of the defects, apply Watertight (thin layers and small areas) or BlueFiller (thick layers and large areas). Sand with 80-120 grit.

WATERTIGHT / BLUEFILLER 1 coat



## 5 | Corrosion protection with EPOXYGARD

Apply 5 coats of Epoxygard. Several thin layers will create the protective barrier by overlapping of the paint components. Please refer to our data sheet to check for recoat times.

EPOXYGARD 5 coats



## 6 | Finish with A1 Antifouling

Apply 2 final coats of A1 antifouling specific for aluminium. Tip: you can apply a 3rd coat at the waterline and on the appendages.

A1 2 coats



# Painting the propellers and Z-drive

## 1 | Preparing the surface to be painted

Wash the surface with water and with Nautix SD. Sand with P80. Rinse with fresh water and allow to dry. If the old paint is peeling and metal is showing, sand down the entire surface and then apply several coats of HPE or PA protective paint.

Surface preparation



## 2 | Application of P7 Primer

P7 spray primer is an easy to use adhesion and protection primer for propellers. Shake well before and during application. Spray for 2 to 3 seconds 20 cm maximum from the surface to avoid dry jet. Spray sparingly and repeatedly. Continuous spraying will result in excessive cooling and lead to clogging of the nozzle. Nautix recommends using the entire spray can for one propeller.

P7 1 coat



## 3 | Protect with A7 T.SPEED Antifouling

A7 T.SPEED hard matrix antifouling is specifically designed for Z-Drive propellers and bases. Shake the spray can well before and during application. Nautix recommends applying one 500 mL spray for each propeller. Allow the coats to dry, comply with recoat times.

A7 T.Speed





# Refit the protection of my cast iron keel

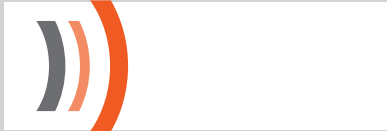
1 | Sand the substrate



2 | IA impregnation in 1 thin coat



3 | PA primer in 1 coat



4 | Watertight epoxy filler if needed



5 | PA primer in 4 coats



6 | Antifouling in 2 coats



IA Impregnation

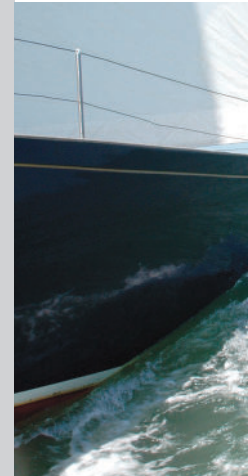


PA Primer



Antifouling

# Understanding and preventing osmosis



Osmosis is a natural ageing phenomenon of polyester, due to water absorption. The rate of osmosis may vary depending on the quality of the boat construction, frequency of use (whether the boat is in the water all year round or not), the navigation environment (lake, tropical or cold water) and the initial protection. Small blisters may appear (the size of a pinhead), however in some cases it does not cause any observable phenomena. The fact the blisters are filled with acetic acid accounts for their distinctive vinegary odour (it comes out when pierced).

Preventing osmosis consists of creating a waterproof barrier to slow down the penetration of water into the composite. This protection must be regularly applied, as water always tends to enter the substrate.

## On a new boat

On a new boat, it is advisable to apply this treatment before the first launch. **Four to five coats of protective primer** (Epoxygard or PD) should be applied.







## On a boat that has already sailed

On a boat that has already sailed, ensure that the hull is completely dry to be sure not to trap moisture behind the barrier. The hull must be tested for moisture using a Tramex type moisture meter before painting (no more than 5 % difference in moisture content between the hull and the freeboard). If this rate is satisfactory, you can create the barrier.

## If the boat is very wet

If the boat is very wet, and you wish to apply an osmosis treatment, **dry the boat for several months** and rinse and test it regularly at several different points, before recreating a protective barrier for the composite (osmosis treatment cycle on our nautix.com site).

# Our Antifouling colours

| Antifouling        |  GREY WHITE |  BLUE FRANCE |  NAVY BLUE |  RED |  GREEN |  GREY |
|--------------------|--|---|---|---|---|--|
| A3 Yachting        | 7047   | 5019  | 5003  | 3011  | 6033  | 7012   |
| A4 Yachting        |  |   |   |   |   |  |
| A3 Formula+        |  |   |   |   |   |  |
| A4 Formula+        | -  | 5019  | 5000  | 3011  | -   | 7046   |
| A88 Formula+       |  |   |   |   |   |  |
| Performer Pro      |  |   |   |   |   |  |
| A4T.Speed          | -  | -   | 5000  | 3020  | -   | 7046   |
| A1                 | -  | 5015  | -   | -   | -   | -  |
| Marin Yachting     | 7047   | 5019  | 5013  | 3011  | 6033  | 7012   |
| Pro Yachting       |  |   |   |   |   |  |
| Performer Yachting | -  | -   | 5000  | -   | -   | 7004   |

These shades are given as an indication and are non-contractual.  
We endeavour to provide you with the closest references but differences may exist.

## LAST BUT NOT LEAST

### Our Thinners



**DA**  
Thinner  
for antifouling



**DE**  
Thinner for primer  
and epoxy finish

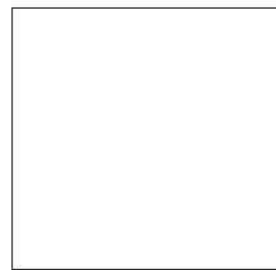


**DP**  
Thinner  
for polyurethane



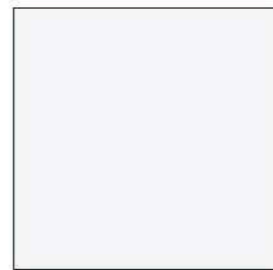
**WS**  
Thinner  
for 1-pack finish

# Colour guide for topcoats



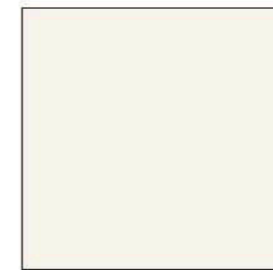
Blanc  
**White**

*RAL 9016*



Blanc cassé léger  
**Light Off White**

*Pantone Warm Grey*



Ivoire léger  
**Light Ivory**

*RAL 9001*



Gris clair  
**Light Grey**

*RAL 7035*



Gris anthracite  
**Anthracite Grey**

*RAL 7024*



Noir  
**Black**

*RAL 9005*



Jaune Fluo  
**Neon Yellow**



Orange Fluo  
**Neon Orange**



Orange Rescue  
**Rescue Orange**

*RAL 2008*



Rouge  
**Red**

*RAL 3020*



Jaune Sunset  
**Yellow Sunset**

*RAL 1028*



Vert Herbe  
**Golf Green**

*RAL 6002*



Bleu ciel  
**Sky blue**

*Pantone 2193C*



Bleu France  
**Blue France**

*Pantone 2196C*



Bleu Nuit  
**Midnight Blue**

*RAL 5017*



Bleu Marine  
**Navy Blue**

*RAL 5011*

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# Nautix

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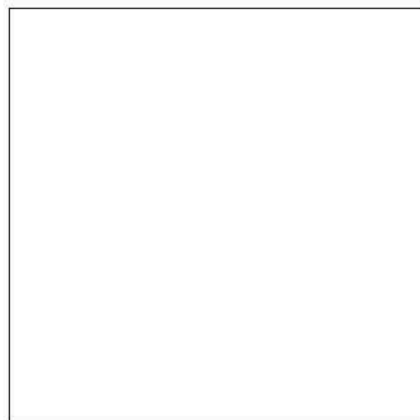
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MARINE PAINTS

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# NAUTIX

**Find our advice  
on our Youtube channel**



Our professional advice helps you select the right product, use our range... Visit our Youtube channel to find out our tips and maintenance advice.