

# MARIN

Antifouling – For seasonal use



The printing process may render some of the colour samples imperfectly. We recommend testing the paint before committing to a colour.



## PRODUCT DESCRIPTION

Nautix MARIN is a seasonal antifouling paint for sailing-, motor-, cruising- and fishing-boats.

Nautix MARIN is compatible with most other antifouling types of the market (Please refer to *Preparation*).

## PRODUCT INFORMATION

Finish	Matt
Coverage	12.5m <sup>2</sup> /L per layer (roller/brush)
Flash point	21°C < FP < 55°C
Unit size	0,75L - 2,5L
Typical shelf life	3 years
Thinner/Cleaner	Nautix DA
Colours	white, black, blue France, navy blue, red, grey, light green, dark green

### Drying / Overcoating Information

Temperature	10°C	15°C	20°C	30°C
Touch dry	2h	1h30	1h	30min
Overcoating*	4h	3h	2h	1h
Immersion**	5h	4h	3h	2h

d=days h=hours min=minutes

\*Minimum overcoating time recommended for 1 layer (100µm wet thickness) – Please refer to *Application/ Important points*

\*\*Maximum immersion time : several weeks if boat is stored in good conditions

## SURFACE PREPARATION

### New hull

- The surface should be degreased with Nautix SD and free of all contaminants (oil, grease, salt etc).
- Rinse with fresh water and let dry.
- Wet-sanding with P120 grade paper to improve adhesion of primer.
- Ensure the substrate to be dried, degreased, and free of dust.
- Apply adapted primer.

### Previously antifouled surface

Check the substrate : Before overcoating, remove all loosely adhering and flaking paint, feather back all edges. You can grit with brush in different areas to test adhesion of current antifouling.

- Protected surface in good condition (hard matrix) :
  - Clean the entire hull with controlled high pressure washing or brush.
  - Sand surface with wet P80-120 paper grade.
  - Rinse with fresh water and let dry.
- Surface in poor condition or self-polishing antifouling :
  - Remove all traces of antifouling by abrasion, sweep blasting or using Nautix STRIPPER.
  - Degrease with Nautix SD.
  - Sand primer with wet P80-120 paper grade.
  - Rinse with fresh water and let dry.
  - Seal eventually with suitable Nautix primer.

### Important information

Surface preparation is very important step to get long-efficiency antifouling.

Choose the right primer (1 coat for adhesion – 3-5 coats for protection) :

- Polyester : P1 – HPE – PE – PO - EPOXYGARD
- Wood : P1 (1<sup>st</sup> layer : mix with thinner DP 30% max)
- Plywood : HPE – EPOXYGARD (+ IMPREGARD)
- Steel : PA – EPOXYGARD

### Compatibility

Important :

- This antifouling cannot be applied over aluminium hull.
- Do not overcoat with hard matrix antifouling.

If there is any doubt on compatibility between the new antifouling paint and the existing one, apply a coat of Nautix P1.

## SAFETY INFORMATION

- Only use as an antifouling product to prevent the growth of micro and macro organisms like week, algae or barnacles from settling on underwater surfaces in salt and fresh water. For amateur (up to 2.5Litres) and professional (up to 20 litres). Antifouling contains biocides. Use antifouling products with care.
- Work in well-ventilated area, wear suitable protective clothing, gloves, glasses and eye/face protection. Unprotected person must be kept away from treatment area. Dispose of protective gloves and equipment after use.

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## HINTS

- Application methods : brush, roller, conventional spray gun, airless.
- Apply between 10 and 30°C (ideally inside with hygrometry rate no greater than 85%).
- Do not apply when there is a chance of condensation forming on the substrate (Dew-Point) : substrate, ambient air and product temperatures must be close.
- Avoid applying in adverse weather conditions : strong wind, strong sunlight, high/low temperatures, high humidity or rain.
- Important : Antifouling efficiency depends directly on applied film thickness. Apply the whole recommended quantity (excl. thinner) : 2 thick layers and 3<sup>rd</sup> layer on leading and trailing edges (waterline, keel, rudder,...). Be careful when adding solvents to antifouling as this will reduce the thickness applied.
- Maximum immersion time : several weeks if the boat is stored in good conditions (no dust).
- Clean your tools with Nautix DA.

## APPLICATION

### Brush / Roller

- Apply antifouling by crossing layers.
- Thinning (volume) : Nautix DA up to 5%.  
*To get the best results, use a solvent-resistant mohair type roller. Do not hesitate to change refill when worn.*

Number of coats : 2 minimum  
Theoretical coverage per layer : 12.5m<sup>2</sup>/L  
Recommended WFT\* per layer : 100µm  
Minimum final recommended DFT\*\* : 100µm

### Conventional spray gun

- 2.0 to 2.5 bars, nozzle 1.6mm to 1.8mm.
- Thinning (volume) : Nautix DA 10 to 20%.  
*Do not mix with more than 30% thinner to avoid any degradation of paint.*

Number of coats : 2 minimum  
Theoretical coverage per layer : 5 to 7m<sup>2</sup>/L  
Recommended WFT\* per layer : 80µm  
Minimum final recommended DFT\*\* : 100µm

### Airless

- 170 to 240 bars, Nozzle 415 to 419.
- Do not use thinner.

Number of coats : 1 minimum  
Theoretical coverage per layer : 3 to 4m<sup>2</sup>/L  
Recommended WFT\* per layer : 200-250µm  
Minimum final recommended DFT\*\* : 100µm

\*WFT : Wet Film Thickness / \*\*DFT : Dry Film Thickness

## TRANSPORT, STORAGE, AND SAFETY INFORMATION

### Transport and storage

- Antifouling should be kept in securely closed and solvent-resistant containers during transport and storage.
- Exposure to air, sun, and extreme temperatures should be avoided. For the full shelf-life of the paint, be sure that the container is firmly closed between use and the storage temperature is between 10° and 25°C. Keep out of direct sunlight.

### Safety

- Never dry sand or burn-off old antifouling. Antifouling must only be wet sanded.
- Before use, read the label safety section for Health and Safety Information. For further details, please contact Nautix or its distributors.
- All professional operators must wear suitable protective clothing : coveralls of a contrasting colour to the product being applied, underneath a disposable coverall with hood, suitable gloves and impervious footwear that protects the lower leg. Wear suitable respiratory equipment (such as air fed respiratory protective equipment with combined protective helmet and visor) when spraying.

### Disposal

Disposal of remainders must be arranged for in consultation with the authorities. Do not discard tins or pour paint into water courses, use the facilities provided. It is best to allow paints to harden before disposal. Remainders of antifouling cannot be disposed of through the municipal waste route or dumped without permit.

### General

Antifouling job must be renewed every year. Respect coverage and recommended number of layers. The information given in this sheet is not intended to be exhaustive. Any person using the product without first making further written enquiries as to the suitability of the product for the intended purpose does so at their own risk. Nautix can accept no responsibility for the performance of the product or for any loss or damage. The information contained in this sheet is liable to modification from time to time.

