

A1

High performance antifouling for aluminium hull



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



PRODUCT DESCRIPTION

Nautix A1 is high-performance antifouling paint which contains copper thiocyanate compounds, and can be applied over any kind of surfaces, included aluminium perfectly protected with efficient insulation primer. This product is recommended for sailing-, motor-, fishing- and professional-boats.

Nautix A1 is compatible with most other antifouling types of the market (Please refer to *substrate preparation*).

PRODUCT INFORMATION

Finish	Matt
Coverage	12m ² /L per layer (see "application" section for details)
Flash point	21°C < FP < 55°C
Unit size	2,5L - 20L
Typical shelf life	3 years
Product condition	Ready for use
Thinner/Cleaner	Nautix DA
Colours	White, black, blue France

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 or non-protected aluminium hull

- The surface should be dried, degreased with Nautix SD and free of all contaminants (oil, grease, salt etc).
- Rinse with fresh water and let dry.
- Sandblast or sand with wet P40 grade paper to improve adhesion. Use SCOURING ACID for inaccessible areas.
- Overcoat asap with adapted Nautix system :
 - Directly with PA anticorrosion primer.
 - METAPOX adhesion promoter + EPOXYGARD or HPE epoxy primer.For both systems, it is recommended to apply several layers of primer (3 minimum) to isolate antifouling from aluminium substrate.

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 antifouling) :
 - 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.
 - Check the hull to be correctly protected.
 - Degrease with Nautix SD.
 - Sand primer with wet P80 paper grade.
 - Rinse with fresh water and let dry.

Important information

Choose the right primer to protect your aluminium hull : Nautix PA, HPE or EPOXYGARD. Please refer to corresponding technical data sheets. If you have any doubt about quality of anticorrosion protection, apply A2 antifouling (Copper-free) for aluminium hull.

Important : check hull anticorrosion protection quality regularly.

Compatibility

Nautix A1 antifouling has good compatibility with most other antifouling types of the market (except self-polishing 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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Before Printing, think about environment ! 19/02/2018



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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 3rd 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 : 12m²/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 7m²/L
Recommended WFT* per layer : 100µm
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 4m²/L
Recommended WFT* per layer : 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.

