

NAUTIX

MARINE PAINTS

TECHNICAL DATA SHEET

A4 FORMULA+

Hard matrix antifouling



The above colours are not applications of our paints and are given for information only.

SUBSTRATE

Polyester | Wood | Steel



10m²/L



DESCRIPTION

A4 Formula+ is a high performance hard matrix antifouling for professionals and shipyards. It is recommended for sailboats, fishing boats, motorboats and boats at anchor or on trailers. Its co-biocidal formula covers a very broad spectrum of fouling.

MAIN FEATURES

COVERAGE	10m ² /L per layer (see «application» section for details)
DRY EXTRACT	48.5-49 (% volume) 71.5-72 (% weight)
FLASH POINT	36°C < FP < 39°C
UNIT SIZE	2,5L - 5L - 20L
TYPICAL SHELF LIFE	3 years
SPECIFICATION	Ready for use - Pro only
THINNER / CLEANER	Nautix DA
COLORS	White, Grey, Red, Blue France, Navy Blue, Black
FINISH	Satin

DRYING AND OVERCOATING

TEMPERATURE	10°C	15°C	20°C	30°C
Touch dry	2h	1h30	1h	30min
2nd layer*	4h	3h	2h	1h
Immersion**	5h	4h	3h	2h

d=days h=hours min=minutes

*Minimum overcoating time recommended

**Maximum time : 1 month

SURFACE PREPARATION

NEW HULL

- Degrease the hull with Nautix SD to remove mould release wax.
- Rinse with fresh water and let dry.
- Wet-sanding with P120 grade paper to improve adhesion of primer.
- 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 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 (ablative or mixed matrix 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.

SPECIAL ADVICE

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 (1st coat diluted at 30%).
- Plywood: IMPREGARD + HPE or EPOXYGARD
- Steel: PA – METAPOX + EPOXYGARD

COMPATIBILITY

Important :

- Do not apply to aluminium hulls.
- Do not apply over SPC paint.
- Do not apply over ablative antifouling.

If you have any doubts about the compatibility or quality of the existing antifouling, you can apply a coat of P1 primer to even out the substrate.

HINTS

- The effectiveness of an antifouling depends directly on the final thickness of the film. Apply the entire recommended quantity, excluding dilution. Be careful when adding thinner as this reduces the thickness of the product applied.
- Maximum time before immersion: 1 month.
- Application methods: brush, roller, Airmix spray, Airless
- Apply between 10 and 30°C (ideally with humidity below 85%).
- Do not paint a surface if there is the slightest risk of condensation forming on the surface (dew point): The temperatures of the ambient air, the substrate and the product must be very close.
- Avoid application in adverse weather conditions: strong wind, direct sunlight, high/low temperatures, high humidity or rain.
- Allow solvents to evaporate naturally. Do not heat the ambient air after application has begun. Do not use forced ventilation directly on the surface.

APPLICATION

BRUSH / ROLLER

- Apply antifouling by crossing layers.
 - Dilution: ready to use. Can be thinned with Nautix DA (max. 5% vol.).
- For best results, use a 12-14 mm textured or textured polyamide roller and change the roller sleeve regularly.

AIRMIX SPRAY

- 2.0 to 2.5 bar, 1.6mm to 1.8mm nozzle.
- Dilution (volume) : Nautix DA 10 to 20%.
- Do not dilute more than 30%.

AIRLESS SPRAY

- 170 to 240 bar, nozzle 415 to 419
- Do not dilute

ROLLER INFO

Number of coats: 2 minimum
Theoretical coverage per coat: 10m²/L
 Recommended WFT* per coat: 100µm
 Recommended final DFT**: 100µm

AIRMIX INFO

Number of coats: 2 minimum
Theoretical coverage per coat: 12m²/L
 Recommended WFT* per coat: 80µm
 Recommended final DFT**: 100µm

AIRLESS INFO

Number of coats: 1 minimum
Theoretical coverage per coat: 4 to 5m²/L
 Recommended WFT* per coat: 200-250µm
 Recommended final DFT**: 100µm

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

INFORMATIONS

PAINTERS PROTECTION

- Antifouling for professional use. Dangerous product. Observe safety precautions. Use biocidal products with care.
- Before use, read this sheet, the label and the product information carefully.
- Work in a well-ventilated area and wear protective clothing, gloves, goggles and a suitable mask.

TRANSPORT AND STORAGE

- Antifouling must be transported and stored in hermetically sealed containers that are not permeable to solvents.
- Do not expose to open air, sunlight or extreme temperatures. To keep the product in good condition, recap the can after use, turn the jars upside down and store between 10°C and 25°C. Do not expose to sunlight.

SAFETY

- Never burn or dry sand antifouling. Always sand with water. Use biocidal products with care.
- Read the label and product information before use. Observe the precautions for use. Carefully read the safety advice given in the Health and Safety section, which is also available from Nautix and its dealers.
- All professional operators must wear appropriate protective clothing: overalls in a colour that contrasts with the product being applied, a disposable hooded undersuit, appropriate gloves and protective footwear that protects the lower limbs. Wear a respirator when spraying.

DISPOSAL

- Empty cans and soiled waste must be disposed of in accordance with current municipal regulations on the treatment of hazardous products, for example by taking them to a waste collection centre or using dedicated bins. Do not dispose of waste in drains or waterways. Use the bins provided. It is advisable to allow paint residues to harden before disposing of them.

GENERAL

- Immediate antifouling effect after immersion. Observe the recommended coverage and number of coats. Repeat the operation every year.
- The information given in this sheet is not exhaustive. Anyone using this product for purposes other than those recommended, without prior written confirmation from us as to the feasibility of such use, does so at their own risk. Nautix cannot be held responsible. This information is subject to change without notice.