

PO

1-pack high performance primer for adhesion and protection in uncontrolled environment (outdoors)



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

PRODUCT DESCRIPTION

Nautix PO is a high performance primer formulated with a Desmodur™ resin which hardens by reacting with air moisture. PO primer has a high-adhesion power and a strong protection capacity on many different substrates. PO can prevent osmosis over GRP if you apply 5 layers minimum.

PO is very easy to use and allows application in uncontrolled environment (outdoors). Moreover it can be applied from 0°C, dries quickly and should not be sanded between layers.

This product is recommended for professional use only.

PRODUCT INFORMATION

Finish	Matt
Coverage	12m ² /L per layer (roller/brush)
Flash point	23°C <FP<55°C
Unit size	0.75L – 3L
Typical shelf life	2 years
Product condition	Ready for use
Thinner/Cleaner	Nautix DP
Colour	Light green

Drying / Overcoating Information

Temperature	10°C	15°C	20°C	25°C	30°C
Touch dry	3h	2h	1h30	1h	30min
Overcoated by itself*	6h	5h	3h	2h	1h
Overcoated by antifouling*	6h	5h	3h	2h	1h
Sand after	6h	5h	3h	2h	1h
Dry	96h	72h	30h	24h	20h

d=days h=hours min=minutes

*Minimum overcoating time recommended for 1 layer (80µm wet thickness) – Please refer to Application

TYPE OF SURFACES

- GRP/Composites
- Polyester

SURFACE PREPARATION

New hull (epoxy or GRP)

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

Over antifouling or existing primer

- Remove the old antifouling :
 - 1 to 3 coats : Nautix STRIPPER
 - More than 4 coats : air-blasting, high-pressure water blasting or scraper
- Check the condition of old primer : the former paint must not come unstuck from the support or must not crumble. Scrape with a brush to check support quality and remove any loosing paint.
- Surface must be degreased with Nautix SD and dust free.
- Rough sand with 120 grit to favour adherence.
- Ensure the substrate to be dried, degreased, and free of dust.

Technical recommendation

If the boat stayed in water for long time, it's very important to control humidity rate of the hull before application of several layers of PO primer.

Compatibility

Nautix PO could be overcoated by 1-pack or 2-pack primer.

In case of doubt on primer compatibility or quality, remove all the former primer or contact your sales representative.

SAFETY INFORMATION

- Work in well-ventilated area (ensure adequate ventilation during use), 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.
- Read the label safety section for Health and Safety Information before application.
- This primer contains isocyanates.

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HINTS

- Application methods : brush, roller, conventional spray gun, airless.
- Recommended to apply between 5 and 30°C, but can be applied from 0°C.
- 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.
- Homogenize the product with a blender.
- It's not necessary to sand between coats.
- Use only the required quantity for application, and then close firmly the tin immediately. An opened can must be used asap.
- If filling is required, use appropriate filler after the first coat of primer has been applied.
- Application :
 - Adhesion for antifouling : Apply 1 coat of primer.
 - Protection : Apply minimum 4 coats of primer.
- Favour natural solvent evaporation and do not heat ambient air after beginning of application. Do not use ventilator or heater directed on the surface.

APPLICATION

Roller / brush (professional use only)

- Apply the product by crossing layers.
- Thinning (volume) : Nautix DP from 5 to 10% max.
To get the best results, use a solvent-resistant mohair type roller. Do not hesitate to change refill when worn.

Minimum number of layers : 1 (adhesion), 4 (protection)
Theoretical coverage per layer : 12m²/L
Recommended WFT* per layer : 80µm
Recommended final DFT** (protection) : 200µm

Conventional spray (professional use only)

- 2.0 to 2.5 bars, nozzle 1.6mm to 2.0mm.
- Thinning (volume) : Nautix DP from 10 to 20%.

Minimum number of layers : 1 (adhesion), 4 (protection)
Theoretical coverage per layer : 7m²/L
Recommended WFT* per layer : 80µm
Recommended final DFT** (protection) : 200µm

Airless (professional use only)

- 170 to 240 bars, Nozzle 419 to 525.
- Do not use thinner.
- Double the overcoating times.

Number of layers (protection) : 2 minimum
Theoretical coverage per layer : 3.5m²/L
Recommended WFT* per layer : 200µm
Recommended final DFT** (protection) : 200µm

TRANSPORT, STORAGE, AND SAFETY INFORMATION

Transport and storage

- This product should be kept in securely closed 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

- 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 this product cannot be disposed of through the municipal waste route or dumped without permit.

General

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.

