

Mare Nostrum

Product description

This is an antifouling paint that protects the underwater hull of vessels from the settling of marine fouling organisms. This is a self polishing antifouling.

Typical use

Can be used for up to 6-12 months protection as part of a complete coating system. The service period will depend on water temperature, fouling pressure and sailing hours. Designed for all types of leisure yachts operating at a wide range of speed except aluminium hulls. The product is not recommended for vessels sailing only in fresh water. The product is suitable for both professional and consumer application.

Colours

black, dark blue, red

Product data

Property	Test/Standard	Description
Solids by volume	ISO 3233	52 ± 2 %
VOC-US/Hong Kong	US EPA Method (theoretical) (CARB(SCM)2007, SCAQMD rule 1113, Hong Kong)	435 g/l
VOC-EU	IED (2010/75/EU) (theoretical)	435 g/l

The provided data is typical for factory produced products, subject to slight variation depending on colour.

Film thickness per coat

Typical recommended specification range

Dry film thickness	40 - 100	µm
Wet film thickness	80 - 200	µm
Theoretical spreading rate	13 - 5.2	m ² /l

Surface preparation

To secure lasting adhesion to the subsequent product all surfaces shall be clean, dry and free from any contamination.

Surfaces with grease, oil or other contamination, wash with recommended Jotun Yachting detergent.

Surface preparation summary table

Substrate	Surface preparation	
	Minimum	Recommended
Coated surfaces	<p>New tie coat or new antifouling: Remove any contamination that could interfere with the intercoat adhesion. Exceeding maximum recoat intervals will require cleaning/abrading and/or application of additional coats, depending on condition.</p> <p>Aged antifouling: Removal by thorough fresh water washing at minimum nozzle pressure 250 bar.</p> <p>Cracked, flaked or "sandwiched" systems: Complete removal of old system.</p>	<p>New tie coat or new antifouling: Remove any contamination that could interfere with the intercoat adhesion. Exceeding maximum recoat intervals will require cleaning/abrading and/or application of additional coats, depending on condition.</p> <p>Aged antifouling: Removal by thorough fresh water washing at minimum nozzle pressure 300 bar.</p> <p>Cracked, flaked or "sandwiched" systems: Complete removal of old system.</p>

Application

Application methods

The product can be applied by

- Spray: Use air spray or airless spray.
- Brush: May be used. Care must be taken to achieve the specified dry film thickness.
- Roller: Recommended. Care must be taken to achieve the specified dry film thickness.

Product mixing

Single pack

Thinner/Cleaning solvent

Thinner: Jotun Thinner No. 7 / Thinner No. 7

Guiding data for airless spray

Nozzle tip (inch/1000): 19-25
Pressure at nozzle (minimum): 150 bar / 2100 psi

Guiding data for air spray

Nozzle tip (inch/1000): 1.2-1.6
Pressure at nozzle (minimum): 2.5-3 bar / 36-43 psi

Check to ensure that water and oil filters are available. Distance from air compressor to filters is to be at least 10 m.

Drying and Curing time

Substrate temperature	5 °C	10 °C	23 °C	40 °C
Surface (touch) dry	8 h	5 h	3 h	2 h
Walk-on-dry	24 h	16 h	12 h	4 h
Dry to over coat, minimum	16 h	12 h	8 h	4 h
Dried/cured for immersion	30 h	24 h	12 h	8 h

Drying time will increase with increasing film thickness. The surface should be dry and free from any contamination prior to application of the subsequent coat. Please launch within 9 months after application. The boat should be well covered or stored indoor if not launched shortly after application. The given data must be considered as guidelines only. The actual drying time and time before recoating may be shorter or longer, depending on the ambient temperature, film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc.

Surface (touch) dry: The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.

Walk-on-dry: Minimum time before the coating can tolerate normal foot traffic without permanent marks, imprints or other physical damage.

Dry to over coat, minimum: The shortest time allowed before the next coat can be applied.

Dried/cured for immersion: Minimum time before the coating can be permanently immersed in sea water.

Packaging (typical)

	Volume (litres)	Size of containers (litres)
Mare Nostrum	2.5 / 20	2.5 / 20

The volume stated is for factory made colours. Note that local variants in pack size and filled volumes can vary due to local regulations.

Storage

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Shelf life at 23 °C

Mare Nostrum 48 month(s)

In some markets commercial shelf life can be dictated shorter by local legislation. The above is minimum shelf life, thereafter the paint quality is subject to re-inspection.

Caution

The product is suitable for both professional and consumer application. The product must only be sprayed by professional users.

The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to Jotun's technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to the responsible Jotun representative for approval before commencing the work.

Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not inhale spray mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

Colour variation

When applicable, products primarily meant for use as primers or antifoulings may have slight colour variations from batch to batch. Such products may fade and chalk when exposed to sunlight and weathering.

Disclaimer

The information in this document is given to the best of Jotun's knowledge, based on laboratory testing and practical experience. Jotun's products are considered as semi-finished goods and as such, products are often used under conditions beyond Jotun's control. Jotun cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Jotun reserves the right to change the given data without further notice.

Users should always consult Jotun for specific guidance on the general suitability of this product for their needs and specific application practices.

If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.
