

Technical Data

Mare Nostrum SP



Product description

Mare Nostrum SP is an efficient selfpolishing antifouling based on special binders, assuring an active surface continuously renewed. The result is a clean hull for the whole season.

Recommended use

Mare Nostrum SP is suitable for all type of boats, providing a good result for a whole season. Only white colour is recommended for aluminium hulls. The other colours must not be used on aluminium.

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (μm)	50	120	50
Film thickness, wet (μm)	100	240	100
Theoretical spreading rate (m^2/l)	10	4,2	10

Physical properties

Colour	Black, Dark Blue, Red, White
Solids (vol %)*	52 \pm 2
Flash point	28°C \pm 2 (Setaflash)
VOC	3,75 lbs/gal (450 gms/ltr) USA-EPA Method 24

*Measured according to ISO 3233:1998 (E)

Surface preparation

Coated surfaces

Prior to paint application, all surfaces should be clean, dry and free from contamination. Remove surface contamination by high pressure fresh water cleaning. To be applied on a clean, dry approved primer/undercoat.

Other surfaces

The coating may be used on other substrates. Please contact your local Jotun office for more information.

Condition during application

The temperature of the substrate should be minimum 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure correct drying.

Application methods

Spray	Conventional or airless spray may be used for larger areas.
Brush	May be used but care must be taken to achieve the specified dry film thickness.
Roller	Recommended. However when using roller application care must be taken to apply sufficient material in order to achieve the specified dry film thickness.

Application data

Mixing ratio (volume) Single pack

Thinner/Cleaner Jotun Thinner No. 7

Guiding data conventional spray

Pressure at nozzle 3.5 - 4.5 bar (kg/cm²)

Nozzle tip 1.6 - 1.8 mm

Filter Check to ensure that water and oil filters are available.

Note Distance from air compressor to filters is to be min. 10 m. Spray application must only be done by a professional.

Drying time

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with:

- * Good ventilation (Outdoor exposure or free circulation of air)
- * Typical film thickness
- * One coat on top of inert substrate

Substrate temperature	5°C	10°C	23°C	40°C
Surface dry	8 h	5 h	3 h	2 h
Through dry	24 h	16 h	12 h	4 h
Dry for launching ^{1,3}	30 h	24 h	12 h	8 h
Dry to recoat, minimum ²	16 h	12 h	8 h	4 h

1. The drying time will increase with increasing film thickness.
2. The surface should be dry and free from any contamination prior to application of the subsequent coat.
3. Please launch within 9 months after application. The boat should be well covered or stored indoor if it is not launched shortly after application.

The given data must be considered as guidelines only. The actual drying time/times before recoating may be shorter or longer, depending on film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc. A complete system can be described on a system sheet, where all parameters and special conditions could be included.

Typical paint system

Suitable primer system with AntiPest or Vinyl Primer as a sealer coat

Mare Nostrum SP

2 x 50 µm

(Dry Film Thickness)

Other systems may be specified, depending on area of use

Instructions of use

Previously untreated surfaces:

Two coats of Mare Nostrum SP to be applied on AntiPest or Vinyl Primer. Consult TDS for AntiPest or Vinyl Primer for more information. Only Mare Nostrum SP white is recommended for aluminium hulls.

Previously coated surfaces:

Mare Nostrum SP can be applied directly on selfpolishing antifoulings in good conditions. Hard antifoulings in good condition should be wet sanded before application of Mare Nostrum SP. If the existing antifouling is a soft or unknown antifouling, it is advisable to apply one preventive coat of Vinyl Primer.

If the old antifouling is in bad condition, scrape and sand-down any areas of flaking or cracked antifouling. Wet sand the surface (P180-220). Rinse well with freshwater and allow to dry. Apply 1 coat of Vinyl Primer and 2 coats of Mare Nostrum SP. For application on aluminium hulls, Mare Nostrum SP white is the only recommended colour.

Storage

Storage condition are to keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed. The container must be protected from freezing.

SHELF LIFE: 2 years at 23°C, subject to re-inspection thereafter. Storage at elevated temperatures will reduce product shelf life significantly.

Handling

Handle with care. Stir well before use.

Packing size

0.75 litres in 0.75 litre container

and

2.5 litres in a 3 litre container.

Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale 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.

For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Material Safety Data Sheet.

DISCLAIMER

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product can be used under conditions beyond our control, we can only guarantee the quality of the product itself. We also reserve the right to change the given data without notice. Minor product variations may be implemented in order to comply with local requirements.

If there is any inconsistency in the text the English (UK) version will prevail.

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