

# Technical Data

## ANTIFOULING SEAQUANTUM PLUS



### Product description

Antifouling SeaQuantum Plus is a tin-free high performance self-polishing antifouling, based on a hydrolysing organosilyl polymer as binder. This binder dissolves in seawater at a rate permitting the continuous exposure of fresh antifouling.

### Recommended use

As an antifouling for newbuildings and major refurbishment, for side and flatbottom areas on vessels operating at medium/high speed with drydocking intervals up to 60 months.

### Film thickness and spreading rate

	Minimum	Maximum
Film thickness, dry ( $\mu\text{m}$ )	75	150
Film thickness, wet ( $\mu\text{m}$ )	145	290
Theoretical spreading rate ( $\text{m}^2/\text{l}$ )	7	3.5

### Physical properties

Colour	Light Red and Dark Red.
Solids (vol %)*	$52 \pm 2$
Flash point	$26^\circ\text{C} \pm 2$ (Setaflash)

\*Measured according to ISO 3233:1998 (E)

### Surface preparation

#### Coated surfaces

To be applied on a clean, dry approved primer/undercoat or intact self-polishing antifouling in accordance with Jotun's requirements. Remove surface contamination by high pressure fresh water cleaning.

#### 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  $3^\circ\text{C}$  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	Use airless spray
Brush	May be used but care must be taken to achieve the specified dry film thickness.
Roller	May be used however when using roller application care must be taken to apply sufficient material in order to achieve the specified dry film thickness.

## Application data

<b>Thinner/Cleaner</b>	Jotun Thinner No. 7
<b>Guiding data airless spray</b>	
<b>Pressure at nozzle</b>	15 MPa (150 kp/cm <sup>2</sup> , 2100 psi.).
<b>Nozzle tip</b>	0.53 - 0.78 mm (0.021 - 0.031").
<b>Spray angle</b>	65 - 80°
<b>Filter</b>	Check to ensure that filters are clean.

## 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

<b>Substrate temperature</b>	<b>5°C</b>	<b>10°C</b>	<b>23°C</b>	<b>40°C</b>
<b>Surface dry</b>	60 min	45 min	30 min	15 min
<b>Through dry</b>	8 h	6 h	4 h	3 h
<b>Dry for launching</b> <sup>1</sup>	12-24 h	10-22 h	8-20 h	8-16 h
<b>Dry to recoat, minimum</b> <sup>2</sup>	12 h	9 h	7 h	6 h

- 1 Indicate the time which normally occurs in a drydocking situation where the drying time depends on the total film thickness of primer/antifouling applied. 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.

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.

## Recommended type of primer:

- 1) 1. coat: Jotamastic 87 or Primastic Universal or Jotaguard 85.  
2. coat: Safeguard Universal or Safeguard.
- 2) Jotamastic 87, with Vinyguard Silvergrey as tie coat.
- 3) Primastic Universal, with Vinyguard Silvergrey as tie coat.
- 4) Vinyguard Black/Brown/Black.

## Storage

The product must be stored in accordance with national regulations. Storage conditions 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.

## Handling

Handle with care. Stir well before use.

## Packing size

20 L.

Packing may vary from country to country according to local requirements.

## 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 is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.*

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