

Technical Data

SEALION TOPCOAT



Product description

SeaLion Topcoat is a three-pack silicone elastomeric foul release topcoat. IMO Anti-fouling System Convention compliant (AFS/CONF/26).

Recommended use

As topcoat in the SeaLion fouling release coating (FRC) system.

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (μm)			135
Film thickness, wet (μm)			200
Theoretical spreading rate (m^2/l)			4,9

Physical properties

Colour	Blue, Grey (+ selected colours)
Solids (vol %)*	66 \pm 2
Flash point	27°C \pm 2

*Measured according to ISO 3233:1998 (E)

Surface preparation

Coated surfaces

To be applied on a clean, dry SeaLion Tiecoat within the specified overcoating time interval.

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 must be minimum 15°C and at least 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. The air temperature must be minimum 15°C. Good ventilation is usually required in confined areas to ensure proper drying. Relative humidity during application and drying should be minimum 40%.

Application methods

Spray Use airless spray

Other Care should be taken to avoid overspray onto other coated areas.

Application data

Mixing ratio (volume) 17 litres Comp. A (base) to be mixed thoroughly with 0,7 litres Comp. B (Curing agent). Then add 0,75 litre comp. C (catalyst) and mix thoroughly again.

Pot life (23°C)

1 hours

Thinner/Cleaner 0,5 hours (40°C)

Cleaner Do not thin.

Guiding data airless spray Jotun Thinner No. 7

Pressure at nozzle 15 MPa (211 kp/cm², 3000 psi).

Nozzle tip 0,38 mm - 0,53 mm (0,015" - 0,021")

Filter Check to ensure that filters are clean

Note

Sagging may occur if application procedure and specification are not followed.

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	15°C	23°C	40°C
Surface dry	7 h	5	2 h
Dry for launching	24 h	24 h	24 h
Dry to recoat, minimum ¹			

1. Minimum one day (24 hours) curing/drying within specified temperature is recommended before launching.

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:

SeaLion Topcoat MUST only be applied on SeaLion Tiecoat within the specified time interval. Application on any other substrate can give adverse effects on adhesion.

The SeaLion FRC system constitutes of SeaLion Tiecoat and SeaLion Topcoat. SeaLion Tiecoat is applied to anticorrosive layer as adhesion promotion layer for SeaLion Topcoat.

Muki EPS (optional)	1 x 30 µm	(Dry Film Thickness)
Anticorrosive primer system suitable for purpose	1 x 200 µm	(Dry Film Thickness)
Safeguard Universal ES	1 x 100 µm	(Dry Film Thickness)
SeaLion Tiecoat	1 x 90 µm	(Dry Film Thickness)
SeaLion Topcoat	1 x 135 µm	(Dry Film Thickness)

Overcoating is strongly discouraged.

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

17 litre Comp. A (base) in a 20 litre container, 0,7 litre Comp. B in a 0,75 litre container and 0,75 litre Comp. C in a 1 litre container.

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.

Footer - English

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