

Technical Data

SeaLion Tiecoat



Product description

SeaLion Tiecoat is a three-pack silicone elastomeric tiecoat. IMO Anti-fouling System Convention compliant (AFS/CONF/26).

Recommended use

To promote adhesion of SeaLion Repulse. Constitutes a part of the SeaLion fouling release coating (FRC) system.

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (μm)			90
Film thickness, wet (μm)			150
Theoretical spreading rate (m^2/l)			6,4

Physical properties

Colour	Light Red
Solids (vol %)*	58 \pm 2
Flash point	24°C \pm 2
VOC	3,33 lbs/gal (400 gms/ltr) USA-EPA Method 24 378 gms/ltr UK-PG6/23(97). Appendix 3

*Measured according to ISO 3233:1998 (E)

Hong Kong rules:
Category of paints - Antifouling sealer coatings; VOC 400 gms/ltr HK EPD method (Ready to use); Exempt compound - N/A; Specific gravity: 1 gms/ltr (A+B+C); Both VOC and Specific gravity values provided are typical values, subject to changes when different colour involved.

Surface preparation

Coated surfaces

To be applied on a clean, dry Safeguard Universal ES. The primer must be fresh, not applied more than three days prior to the SeaLion Tiecoat application.

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 0°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 0°C. Good ventilation is usually required in confined areas to ensure proper drying. Relative humidity during application and drying should be minimum 30%.

Application methods

Spray	Use airless spray.
Other	Care should be taken to avoid overspray onto other coated areas.

Application data

Mixing ratio (volume)	16,7 : 0,6 : 0,9
Mixing	16,7 litres Comp. A (base) to be mixed thoroughly with 0,6 litres SeaLion Tiecoat, Comp. B (Curing agent). Then add 0,9 litre SeaLion Tiecoat Comp. C (catalyst) and mix thoroughly again.
Pot life (23°C)	1 hour
	0,5 hours (40°C)
Thinner/Cleaner	Do not thin.
Cleaner	Jotun Thinner No. 7
Guiding data airless spray	
Pressure at nozzle	15 MPa (211 kp/cm ² , 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	0°C	10°C	15°C	23°C	40°C
Surface dry	12 h	8 h	6 h	4 h	2 h
Dry to recoat, minimum	24 h	18 h	16 h	12 h	6 h
Dry to recoat, maximum	4 d	4 d	4 d	4 d	4 d

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 Tiecoat MUST only be applied on Safeguard Universal ES.
Application on any other substrate can give adverse effects on adhesion.

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

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 Repulse	1 x 150 µm	(Dry Film Thickness)

Storage

The product must be stored below 25°C and 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

18,2 litre unit: 16,7 litre Comp. A (base) in a 20 litre container, 0,6 litre SeaLion Tiecoat, Comp. B in a 0,75 litre container and 0,9 litre SeaLion Tiecoat Comp. C in a 1 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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