

Technical Data

SeaLion Repulse



Product description

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

Recommended use

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

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (µm)	150	150	150
Film thickness, wet (µm)	210	210	210
Theoretical spreading rate (m ² /l)	4,8	4,8	4,8

Physical properties

Colour	Blue, Grey, Red
Solids (vol %)*	72 ± 2
Flash point	27°C ± 2
VOC	2,2 lbs/gal (254 gms/ltr) USA-EPA Method 24 230 gms/ltr UK-PG6/23(97). Appendix 3

*Measured according to ISO 3233:1998 (E)

Hong Kong rules:
Category of paints - Antifouling coatings; VOC 254 gms/ltr HK EPD method (Ready to use); Exempt compound - N/A; Specific gravity: 1 (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 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 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)	17 : 0,7 : 0,75
Mixing	17 litres Comp. A (base) to be mixed thoroughly with 0,7 litres SeaLion Repulse Comp. B (Curing agent). Then add 0,75 litre SeaLion Repulse Comp. C (catalyst) and mix thoroughly again. SeaLion Repulse Comp A can alternatively be mixed with SeaLion Topcoat, Comp B and Comp C.
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	8 h	6 h	5 h	3 h	1 h
Dry for launching	36 h	28 h	24 h	20 h	16 h

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:

The SeaLion FRC system constitutes 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 Buff	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 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. Shelf life at 23°C: 2 years for every component. Thereafter the paint quality is subject to re-inspection.

Handling

Handle with care. Stir well before use.

Packing size

18,45 litre unit: 17 litre Comp. A (base) in a 20 litre container, 0,7 litre SeaLion Repulse/Topcoat, Comp. B in a 0,75 litre container and 0,75 litre SeaLion Repulse/Topcoat, 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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