

SeaLion Repulse

Product description

This is a three component nano repellent, elastomeric silicone fouling release coating. It is biocide free and provides excellent fouling protection and hull performance. This is achieved by a smooth, low friction surface reducing hull deterioration and speed loss. To be used as finish coat in immersed environments. Suitable on approved primers and tie coats on aluminium and carbon steel substrates.

Typical use

Marine:

Recommended for under water hull in newbuilding and dry docking. Specially designed as a premium solution for vessels with medium docking intervals trading at medium to high speed or activity. It has high gloss and excellent colour stability providing long term aesthetics appearance. Specially suitable for specific trades and where the focus is long term hull protection. The product is suitable for long service periods and can be used up to 60 months as a part of a complete coating system.

Protective:

Specially designed for offshore constructions and outside hull for static installations.

Typical trade

Designed for both global and coastal trade.

Colours

red, grey, blue, black, red

Product data

Property	Test/Standard	Description
Solids by volume	ISO 3233	72 ± 2 %
Flash point	ISO 3679 Method 1	27 °C
Specific gravity	calculated	1 kg/l
VOC-USA / VOC Hong Kong	EPA Method 24	254 g/l
VOC-Solvent Emission Directive	SED (1999/13/EC)	280 g/kg

The provided data is typical for factory produced products, subject to slight variation depending on colour. All data is valid for mixed paint.

Recommended film thickness per coat

Film thickness and spreading rate	Dry film thickness	Wet film thickness	Theoretical spreading rate (m ² /l)
	(µm)	(µm)	
Typical	150	210	4,8

Surface preparation

To secure lasting adhesion to the subsequent product all surfaces shall be clean, dry and free from any contamination.

Surface preparation summary table

Substrate	Surface preparation	
	Minimum	Recommended
Coated surfaces	Clean, dry and undamaged compatible coating (ISO 12944-4 6.1)	Clean, dry and undamaged compatible coating (ISO 12944-4 6.1)

Application

Application methods

The product can be applied by

Spray: Use airless spray.

Care should be taken to avoid overspray onto other areas.

Product mixing ratio (by volume)

SeaLion Repulse Comp A	17	part(s)
SeaLion Repulse Comp B	0,7	part(s)
SeaLion Repulse Comp C	0,75	part(s)

Thinner/Cleaning solvent

Do not thin

Cleaning solvent: Jotun Thinner No. 7

Guiding data for airless spray

Nozzle tip (inch/1000):	15-21
Pressure at nozzle (minimum):	210 bar/3000 psi

Drying and Curing time

Substrate temperature	0 °C	10 °C	15 °C	23 °C	40 °C
Surface (touch) dry	8 h	6 h	5 h	3 h	1 h
Dried/cured for immersion	36 h	28 h	24 h	20 h	16 h

Drying and curing times are determined under controlled temperatures and relative humidity below 85%, and within the DFT range of the product.

Surface (touch) dry: The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness. Dry sand sprinkled on the surface can be brushed off without sticking to or causing damage to the surface.

Dried/cured for immersion: Minimum time before the coating can be permanently immersed in sea water.

Induction time and Pot life

Paint temperature	23 °C	40 °C
Pot life	1 h	30 min

Recommended type of primer

Anticorrosive primer system suitable for purpose. Recommended tie coat for the subsequent antifouling coat is Safeguard Universal ES or Safeguard Plus.

Packaging (typical)

	Volume (litres)	Size of containers (litres)
SeaLion Repulse Comp A	17	20
SeaLion Repulse Comp B	0.7	0.75
SeaLion Repulse Comp C	0.75	1

The volume stated is for factory made colours. Note that local variants in pack size and filled volumes can vary due to local regulations.

Storage

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Shelf life at 23 °C

SeaLion Repulse Comp A	24 month(s)
SeaLion Repulse Comp B	24 month(s)
SeaLion Repulse Comp C	24 month(s)

In some markets commercial shelf life can be dictated shorter by local legislation. The above is minimum shelf life, thereafter the paint quality is subject to re-inspection.

Caution

This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to Jotun's technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to the responsible Jotun representative for approval before commencing the work.

Health and safety

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

Colour variation

Products primarily meant for use as primers and antifoulings may have slight color variations from batch to batch. Such products may fade and chalk when exposed to sunlight and weathering.

Disclaimer

The information in this document is given to the best of Jotun's knowledge, based on laboratory testing and practical experience. Jotun's products are considered as semi-finished goods and as such, products are often used under conditions beyond Jotun's control. Jotun cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Jotun reserves the right to change the given data without further notice.

Users should always consult Jotun for specific guidance on the general suitability of this product for their needs and specific application practices.

If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.
