

# Technical Data

## SeaLion Resilient



### Product description

This is a two component polysiloxane fouling release coating exhibiting highly abrasion and scratch resistant properties. IMO Anti-fouling System Convention compliant (AFS/CONF/26).

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### Recommended use

As an antifouling coating for drydocks and major refurbishment for under water areas. As a finish coating for under water areas. To be applied on top of anticorrosive to function as a fouling release coating (FRC) also adding outstanding mechanical properties for an antifouling solution.

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### Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (µm)	100	150	100
Film thickness, wet (µm)	120	180	120
Theoretical spreading rate (m <sup>2</sup> /l)	8,4	5,6	8,4

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### Physical properties

Colour	Red
Solids (vol %)*	83 ± 2
Flash point	58 °C ± 2
VOC	1,34 lbs/gal (161 gms/ltr) USA-EPA Method 24

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

Hong Kong rules:

Category of paints - Antifouling coatings; VOC 161 gms/ltr HK EPD method (Ready to use); Exempt compound - N/A; Specific gravity: 1.21 (A+B); Both VOC and Specific gravity values provided are typical values, subject to changes when different colour involved.

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### Surface preparation

#### Coated surfaces

Clean, dry and undamaged compatible primer. Please contact your local Jotun office for more information.

#### Other surfaces

The coating may be used on other substrates. Please contact your local Jotun office for more information.

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## Condition during application

The temperature of the substrate should be minimum 10°C and at least 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. Good ventilation is required in confined areas to ensure proper drying. The coating should not be exposed to oil, chemicals or mechanical stress until cured.

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## Application methods

<b>Spray</b>	Use airless spray.
<b>Brush</b>	May be used but care must be taken to achieve the specified dry film thickness.
<b>Roller</b>	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.

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## Application data

<b>Mixing ratio (volume)</b>	5.6 : 1
<b>Mixing</b>	5.6 parts of Comp.A (base) to be mixed thoroughly with 1 parts SeaLion Resilient Std Comp. B (curing agent). 5.6 parts of Comp.A (base) to be mixed thoroughly with 1 parts SeaLion Resilient WG Comp. B (curing agent).
<b>Pot life (23°C)</b>	<b>Std Comp B:</b> 5 hours (Reduced at higher temperatures). <b>WG Comp B:</b> 2 hours (Reduced at higher temperatures).
<b>Thinner/Cleaner</b>	Do not thin.
<b>Cleaner</b>	Jotun Thinner No. 7
<b>Guiding data airless spray</b>	
<b>Pressure at nozzle</b>	15 MPa (211 kp/cm <sup>2</sup> , 3000 psi)
<b>Nozzle tip</b>	0,33 mm - 0,46 mm (0,013" - 0,021")
<b>Filter</b>	Check to ensure that filters are clean.
<b>Note</b>	Spray dust during application is irritating to eyes and it is recommended to use goggles to avoid irritating exposure.

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## 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>Std Comp B:</b>			
<b>Substrate temperature</b>	<b>10°C</b>	<b>23°C</b>	<b>40°C</b>
<b>Surface dry</b>	12 h	5 h	3 h
<b>Dry for launching</b>	28 h	24 h	20 h
<b>Dry to recoat, maximum</b>	16	8 h	4 h

**WG Comp B:**

<b>Substrate temperature</b>	<b>0°C</b>	<b>5°C</b>	<b>10°C</b>	<b>23°C</b>
<b>Surface dry</b>	6 h	5 h	4 h	3 h
<b>Through dry</b>				
<b>Dry for launching</b>	32 h	28 h	24 h	20 h
<b>Dry to recoat, minimum</b>				
<b>Dry to recoat, maximum</b>	12 h	10 h	8 h	5 h

Relative humidity during application and drying should be minimum 30%. Note that lower relative humidity (RH) will slow down the curing speed.

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.

## Typical paint system

Suitable anticorrosive primer typically Jotacote Universal or Jotamastic 90      1 x 200 µm      (Dry Film Thickness)  
**Sealion Resilient**      **1 x 100 µm**      **(Dry Film Thickness)**

Other systems may be specified, depending on area of use

## 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

17.7 litre unit: 15 litres SeaLion Resilient Comp.A (base) in a 20 litre container and 2.7 litres SeaLion Resilient Std Comp. B (hardener) in a 3 litre container.

17.7 litre unit: 15 litres SeaLion Resilient Comp.A (base) in a 20 litre container and 2.7 litres SeaLion Resilient WG Comp. B (hardener) in a 3 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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