SeaQuest

Product description

This is a three component fouling release coating based on elastotain technology. 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 Jotun FRC tiecoats only.

A complete application procedure covering dry docking with Jotun Foul Release Coatings (FRC) is available, ref. TSS-TI-084.

Typical use

Marine:
Recommended for underwater hull in newbuilding and drydocking. Specially designed as a premium solution for vessels 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.

Approvals and certificates

Compliant with IMO Antifouling System Convention AFS/CONF/26 + IMO MEPC.331(76).

Additional certificates and approvals may be available on request.

Colours

red, grey, black, blue

Product data

Property	Test/Standard	Description
Solids by volume	ISO 3233	75 ± 2 %
Flash point	ISO 3679 Method 1	28 °C
Density	calculated	1 kg/l

Region	Regulation	Test Standard	VOC Value
US	CARB(SCM)2020 / SCAQMD rule 1113	Calculated	247 g/l
EU	European Paint Directive 2004/42/CE	Calculated	247 g/l
EU IED	Industrial Emission Directive 2010/75/EU	Calculated	247 g/l
Korea	Korea Clean Air Conservation Act	Calculated	247 g/l

This Technical Data Sheet supersedes those previously issued.
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China	GB 30981-2020 Limit of harmful substances of industrial protective coatings	GB/T 23985-2009 8.3	240 g/l

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

Film thickness per coat

Typical recommended specification range

Dry film thickness	170	µm
Wet film thickness	225	µm
Theoretical spreading rate	4.4	m²/l

Surface preparation

Surface preparation summary table

Substrate	Surface preparation	
	Minimum	Recommended
Coated surfaces	Clean, dry and undamaged compatible coating	Clean, dry and undamaged compatible coating

Application

Application methods

The product can be applied by

Spray:	Use airless spray. Care should be taken to avoid overspray onto other areas.
Brush:	May be used. Care must be taken to achieve the specified dry film thickness.
Roller:	May be used. Care must be taken to achieve the specified dry film thickness.

Product mixing ratio (by volume)

SeaQuest Comp A	17 part(s)
SeaQuest Comp B	0.7 part(s)
SeaQuest Comp C	0.75 part(s)

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Thinner/Cleaning solvent

Do not add thinner.

Cleaning solvent: Jotun Thinner No. 10

When thinners are used as a cleaning solvent, the use must be in accordance with prevailing local regulations.

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

For maximum overcoating intervals, refer to the Application Guide (AG) for this product.

After finished application the substrate temperature must be kept at minimum 10 °C for at least 2 hours. Lowest substrate temperature during the drying/curing period is 5 °C.
If the temperature during drying/curing is 5 °C, the minimum time for immersion is 36 hours.

Drying and curing times are determined under controlled temperatures and relative humidity below 85 %, and above 30 %, and at average of the DFT range for the product.

For detailed overcoating instructions when rain is expected refer to TSS-TI-084.

It is recommended to use and provide Yokohama fenders and plastic sheets with light water lubrication for FRC systems, to reduce the risk of fender damage in the first few days after application.

Surface (touch) dry: The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.

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

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Recommended type of primer

Tie coat for the subsequent foul release coat is:
Safeguard FRC PE
Safeguard FRC S

Packaging (typical)

	Volume (litres)	Size of containers (litres)
SeaQuest Comp A	17	20
SeaQuest Comp B	0.7	0.75
SeaQuest 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, shaded, 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

SeaQuest Comp A	24 month(s)
SeaQuest Comp B	24 month(s)
SeaQuest 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

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When applicable, products primarily meant for use as primers or antifoulings may have slight colour variations from batch to batch. Such products and epoxy based products used as a finish coat may chalk when exposed to sunlight and weathering.

Colour and gloss retention on topcoats/finish coats may vary depending on type of colour, exposure environment such as temperature, UV intensity etc., application quality and generic type of paint. Contact your local Jotun office for further information.

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.

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