ECO-FRI 893L

Product description

This is a linear polishing anti fouling paint, especially suitable for various types of ships sailing in the open sea. It can be used for new shipbuilding and ship repair, and can prevent shellfish and algae from adhering and growing on the surface for a long time. It can calculate the preset polishing rate and always maintain a smooth and highly active surface. Provide accurate anti fouling protection with corresponding applicable cycles and effects based on different paint film thicknesses. Complies with the specifications of the International Maritime Organization's IMO AFS for anti fouling paint coating systems.

Typical use

Marine:

Recommended for underwater hull in newbuilding and drydocking. Designed for vessels trading at a wide range of speed and activity. The product can be used for long service periods up to 36 months as a part of a complete coating system.

Approvals and certificates

Compliant with IMO Antifouling System Convention AFS/CONF/26.

Colours

Redbrown, brown

Product date

Property	Test/Standard	Description
Solids by volume	ISO 3233	55±2%
Flash point	ISO 3679 Method 1	28℃
Density	calculated	1.8Kg/L
VOC-China	GB/T23985-2009(ISO11890-1)	420g/L
Touch dry（20℃）		1 h

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	75μm - 160μm
Wet film thickness	136μm - 291μm
Theoretial spreading rate	0.25Kg/m^2 - 0.52Kg/m^2

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	New tie coat or new antifouling: Remove any contamination that could interfere with the intercoat adhesion. Exceeding maximum recoat intervals will require cleaning/abrading and/or application of additional coats, depending on condition Aged antifouling with leached layer: Removal by thorough fresh water washing at minimum nozzle pressure 200 bar.	New tie coat or new antifouling: Remove any contamination that could interfere with the intercoat adhesion. Exceeding maximum recoat intervals will require cleaning/abrading and/or application of additional coats, depending on condition. Aged antifouling with leached layer: Removal by thorough fresh water washing at minimum nozzle pressure 340 bar.

Application

Application methods

The product can be applied by

Spray:	Use air spray or airless spray.
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）

Single pack

Thinner/Cleaning solvent

Thinner: Jindun Thinner No. 102

Guiding date for airless spray

Nozzle tip (inch/1000): 21-31

Pressure at nozzle (minimum): 150 bar/2100 psi

Coating Interval Schedule for Coatings with a Dry Film Thickness of 160 microns

The subsequent coating	Painting interval time	5℃	10℃	20℃	30℃
itself	Minimum coating interval time	12 h	10 h	6 h	4 h
	Minimum drying time before immersion in water	24 h	12 h	8 h	6 h

Packaging(typical)

	Weight (Kg)	Size of containers (litres)
ECO-FRI 893L	35	20

The volume stated is for factory made colours.

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

ECO-FRI 893L 18 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 Jindun'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 Jindun 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

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.

Disclaimer

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

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