

Litum Sirocco

Description

This is a one component state of the art chemically hydrolysing silyl acrylate antifouling coating. It provides excellent fouling protection and incomparable hull performance. This is achieved through highly predictable and stable self polishing characteristics reducing hull deterioration, friction and speed loss. The initial smooth surface provides a very good out of dock performance. To be used as finish coat in immersed environments only. It can be applied at sub zero surface temperatures.

Typical use

Marine:
Recommended for underwater hull in newbuilding and drydocking. Specially designed as a premium solution for vessels with low activity and slow steaming. Recommended solution for areas with high fouling exposure, such as sea chest, to minimize risk of invasive species. This product provides optimum hull protection in fouling intensive waters or in trades with long lay-ups. The product is designed for long service periods and can be used up to 90 months as a part of a complete coating system.

Protective:
Recommended for offshore constructions and immersed areas on static installations.

Typical trade

Designed for global and especially coastal trade. Recommended for exposure to both sea and fresh water during newbuilding outfitting.

Colors

Red, brown

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.

Product data

Solids by volume	50±2%
Flash point (ISO 3679 Method 1)	25°C
Density	1.8 kg/l
Volatile organic compounds (VOC)	455 g/l

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

Film thickness per coat

Typical recommended specification range

Dry film thickness	75-175 µm
Wet film thickness	150-350 µm
Theoretical spreading range	6.7-2.9 m ² /l

Max total DFT for multiple coats in the antifouling system: 600 µm.

Surface preparation

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

Surface preparation table

Coated surfaces

Minimum	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.
Recommended	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

Spray:

Use 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.

Thinner

Litum Thinner N°7

Airless application

Nozzle tips range (inch/1000): 21-31
Pressure nozzle outlet (minimum): 150 bar

Drying

Surface temperature	-10°C	0°C	10°C	23°C	40°C
Touch dry	5h	2h	45min	30min	30min
Handle (hard) dry	24h	16h	9h	7h	6h
Service dry	48h	24h	10h	9h	8h

Curing/drying time is increasing when coating applied at relative humidity (RH) below 85%, and at average of the DFT range for the product.

Touch dry: the state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.

Handle (hard) dry: minimum time before the coating can tolerate normal pressing without permanent marks or other physical damage.

Service dry: minimum time before the coating can be constantly exposed to the intended environment.

Recommended type of primer

Recommended tie coat for the subsequent antifouling coat is Litabond.

Packing size

	Volume (L)	Container (L)
Litum Sirocco	18	20

The volume stated is for factory made colors.

Storage and shelf life at 23°C

Storage conditions are to keep the containers in a dry, cool, well-ventilated area and away from source of heat and ignition. Containers must be kept tightly closed. Handle with care.

Litum Sirocco	12 months
----------------------	-----------

The above is minimum shelf life, thereafter the paint quality is subject to re-inspection.

Qualification, health and safety

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 Litum'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 Litum representative for approval before commencing the work. 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 be immediately removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

Color variation

Color 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 Litum's knowledge, based on laboratory testing and practical experience. Litum's products are considered as semi-finished goods and as such, products are often used under conditions beyond Litum's control. Litum cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Litum reserves the right to change the given data without further notice. Users should always consult Litum for specific guidance on the general suitability of this product for their needs and specific application practices. In case of any inconsistencies between two languages of this document, the Russian version will prevail.