

Vinyl Primer

Product description

This is a one component physically drying vinyl sealer/primer. It is fast drying. Pigmented with a high content of aluminium flakes giving a very waterproof coating film. Gives excellent adherence to antifoulings and other one component products.

Typical use

To be used as a sealer for old antifoulings in good condition. To be used as a sealer for uncured epoxy primers before application of one component coating. To be used as a primer on wooden surfaces. The product is suitable for both professional and consumer application.

Colours

aluminium

Product data

Property	Test/Standard	Description
Solids by volume	ISO 3233	38 ± 2 %
Flash point	ISO 3679 Method 1	28 °C
Density	calculated	1.1 kg/l
VOC-US/Hong Kong	US EPA Method (theoretical) (CARB(SCM)2007, SCAQMD rule 1113, Hong Kong)	615 g/l
VOC-EU	IED (2010/75/EU) (theoretical)	547 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	35 - 100	µm
Wet film thickness	95 - 260	µm
Theoretical spreading rate	10.9 - 3.8	m ² /l

Surface preparation

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

Surfaces with grease, oil or other contamination, wash with recommended Jotun Yachting detergent.

Surface preparation summary table

Substrate	Surface preparation	
	Minimum	Recommended
Coated surfaces	<p>Clean, dry and undamaged compatible coating (ISO 12944-4 6.1.4)</p> <p>New primer: 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.</p> <p>Aged antifouling: Removal by thorough fresh water washing at minimum nozzle pressure 200 bar.</p> <p>Cracked, flaked or "sandwiched" systems: Complete removal of old system.</p>	<p>Clean, dry and undamaged compatible coating (ISO 12944-4 6.1.4)</p> <p>New primer: 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.</p> <p>Aged antifouling: Removal by thorough fresh water washing at minimum nozzle pressure 300 bar.</p> <p>Cracked, flaked or "sandwiched" systems: Complete removal of old system.</p>

Application

Application methods

The product can be applied by

- Spray: Use air spray or airless spray.
- Brush: Recommended for stripe coating and small areas. Care must be taken to achieve the specified dry film thickness.
- Roller: May be used for small areas. Not recommended for first primer coat. Care must be taken to achieve the specified dry film thickness.

Product mixing

Single pack

Thinner/Cleaning solvent

Thinner: Jotun Thinner No. 7

Guiding data for airless spray

Nozzle tip (inch/1000): 17-23
Pressure at nozzle (minimum): 150 bar / 2100 psi

Guiding data for air spray

Nozzle tip: Pressure pot: 1.4-1.6 (mm)
Pressure at nozzle (minimum): 3.5 bar

Check to ensure that water and oil filters are available. Distance from air compressor to filters is to be at least 10 m.
The product must be sprayed by professionals only.

Drying and Curing time

Substrate temperature	5 °C	10 °C	23 °C	40 °C
Surface (touch) dry	30 min	20 min	15 min	10 min
Walk-on-dry	4 h	3 h	2 h	1.5 h
Dry to over coat, minimum	4 h	3 h	2 h	2 h

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

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

Walk-on-dry: Minimum time before the coating can tolerate normal foot traffic without permanent marks, imprints or other physical damage.

Dry to over coat, minimum: The recommended shortest time before the next coat can be applied.

Product compatibility

Depending on the actual exposure of the coating system, various primers and topcoats can be used in combination with this product. Some examples are shown below. Contact Jotun for specific system recommendation.

Previous coat: epoxy, epoxy mastic
Subsequent coat: alkyd, vinyl, acrylic, selfpolishing and hard antifoulings

Packaging (typical)

Volume (litres)	Size of containers (litres)
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Vinyl Primer

0.75 / 2.5

0.75 / 2.5

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

Vinyl Primer

48 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

The product is suitable for both professional and consumer application. The product must be sprayed by professionals 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

When applicable, products primarily meant for use as primers or antifoulings may have slight colour 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.