

WaterShield

Product description

Type

This is a one component physically drying vinyl coating. This is a hull coating for vessels sailing in cold lakes and fresh water areas where the use of coating products containing biocides are forbidden.

Features and benefits

User friendly system in combination with suitable primers, for protection against osmosis.

Recommended use

For use below the water line. Suitable for protecting composite materials against degradation from osmosis. Part of a user friendly coating system in combination with suitable primers.

Packaging (typical)

	Volume (litres)	Size of containers (litres)
WaterShield	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.

Product data

Colours	black, dark blue
Solids	39 ± 2 volume%
Specific gravity	1.2
Flash point	26 °C

Application data

The product can be applied by

Brush: May be used. Care must be taken to achieve the specified dry film thickness.

Roller: Recommended. Care must be taken to achieve the specified dry film thickness.

Spray: Conventional or airless spray may be used for larger areas.

Guiding data for airless spray

Nozzle tip	17-23
Pressure at nozzle	150 bar / 2100 psi

Guiding data for air spray

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

The product must be sprayed by professionals only.

Spreading rate per coat

Theoretical 4.9 m²/l - 9.8 m²/l

Recommended film thickness per coat

Wet 100 µm - 200 µm
Dry 40 µm - 80 µm

Product mixing ratio (by volume)

Single pack

Thinner

Jotun Thinner No. 7 / Thinner No. 7

Drying times

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

Relative Humidity (RH) 50 %

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

Directions for use

Surface preparation

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

Pretreatment

High pressure water washing. For best result, the substrate should be clean, dry and free from any contamination.

Surfaces with selfpolishing antifouling in good condition, apply this product directly on the old antifouling. (Some products may be difficult to overcoat directly, and should be sealed with a coat of Vinyl Primer. Check with Jotun for compatibility chart).

Surfaces with hard antifouling or any antifouling in bad condition, scraping and wet sanding down to sound substrate is necessary before applying this product.

Surfaces with unknown antifouling, scraping and wet sanding down to sound substrate followed by a recommended sealer is necessary.

Recommended paint system

Finish coat

Apply two coats on top of a primer. Apply one coat for yearly maintenance.

Remarks

Some colour variation between batches may occur. Mix contents with different batch numbers before use to prevent shade variations.

Shelf life at 23 °C

WaterShield 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.

Health and safety

Please observe the environmental and precautionary notices displayed on the container.

A Material Safety Data Sheet for the product has been issued.

Detailed information regarding health and safety risks and precautions for the use of this product is specified in the product's Safety Data Sheet.

First-aid measures, refer to section 4.

Handling and storage, refer to section 7.

Transport information, refer to section 14.

Regulatory information, refer to section 15.

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.