

BENAR Marine

Product description

Type

This is a premium clear alkyd based wood oil/varnish. Designed for tropical woods. It contains UV-filter.

Features and benefits

It has good weather and water resistance. It protects the wood specially well, and preserves the glossy surface longer than other yacht varnishes. The product retains its elasticity over a long period of time, and gives a first class protection to all types of wood.

Recommended use

To be used on all wooden surfaces above the waterline, specially for exterior areas. To be applied on Clipper I or on surfaces previously coated with this product.
Can be used inboard, but not in direct contact with textiles.

Packaging (typical)

	Volume (litres)	Size of containers (litres)
BENAR Marine	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	clear
Generic type	alkyd
Solids	62 ± 2 volume%
Flash point	62 °C
VOC	310 g/l US EPA method 24

Application data

The product can be applied by

Brush: Brush designed for stains.

Spreading rate per coat

Theoretical 20.6 m²/l - 15.5 m²/l

Recommended film thickness per coat

Wet 50 µm - 65 µm
Dry 30 µm - 40 µm

Product mixing ratio (by volume)

Single pack

Thinner

Jotun Thinner No. 2 / JOTUN White Spirit

Drying times

Relative Humidity (RH) 50 %

Substrate temperature	5 °C	10 °C	23 °C	40 °C
Surface (touch) dry	18 h	10 h	6 h	4 h
Hard dry	48 h	36 h	24 h	18 h
Dry to over coat, minimum	48 h	36 h	24 h	18 h

Directions for use

Surface preparation

For best result, the substrate should be clean, dry and free from any contamination. On coated surfaces remove loose varnish, weathered wood and loose wood fibre.

Pretreatment

New oily tropical hardwood shall be washed with Jotun Thinner No. 18 or a thinner for cellulose varnish followed by light sanding. Weathered surfaces shall be sanded to fresh wood. Painted surfaces shall be washed with an alkaline detergent, rinsed with fresh water followed by light sanding. All surfaces shall be sanded with P80-P180. Remove dust from sanding.

Recommended paint system

Primer

Apply 1-3 coats of Clipper I, wet-on-wet, dependent on surface absorption. Alternatively, apply one coat of this product diluted 20-30% with the recommended Jotun Thinner.

Finish coat

Apply minimum three coats. Light sanding with P240-P320 is recommended between every coat.

Remarks

Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later.

To avoid the risks of fires, all contaminated materials should be stored in purpose-built containers or in metal containers with tight-fitting, self-closing lids.

Contaminated materials should be removed from the workplace at the end of each working day and be stored outside.

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

BENAR Marine 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.