

YACHTING



PAINT GUIDE

WOOD TREATMENT AND VARNISHES

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Wood is a natural material and gives a warm and sophisticated impression of your boat. A high quality varnish is needed to enhance and protect its beauty. Gloss level is important for people in general but even more significant is to find a varnish that provides protection for the wood against the harsh marine environment.

Sun, sea and wind affect wood throughout the season and varnishes have to be efficient and provide the following characteristics:

- Preserve and enhance the wood's natural beauty
- Protect the wood against – UV light - which attacks the natural fibers in the wood – sea water, rain, wind and dust.

The best way of achieving a perfect result when varnishing is to allow enough time for preparations and pay attention to detail. Make sure you have as much time for the preparations as for the varnishing itself and use high quality brushes.

HINTS FOR A PERFECT VARNISH RESULT

- Do not apply in very high or very low temperatures, under strong sunlight or in strong wind.
- Wet the floor around to avoid dust on wet paint.
- Stir the product thoroughly and every now and again during application.
- Use high quality mohair rollers or solvent resistant foam roller. If you use a brush apply the product by 45° angle to avoid brush marks.
- Apply thin coats following the direction of the wood grain.
- Apply 5-15 coats of Navi Lack I, wet-on-wet. If Navi Lack I is not available, the first coat of varnish can be diluted 10-15% to improve the penetration.
- Apply a first coat of Abolin Yachting varnish which should be diluted with 10% and 15% of the recommended Abolin thinner to help penetration.
- After the first coat, it may be necessary to sand with a medium to fine grade sandpaper to remove wood defects.
- Apply three to four coats of the product. If long lasting protection is desired, a total number of 10-15 very thin coats should be applied.
- As more coats are applied sand the surface with a fine grade to avoid defects and dust inclusions that may be visible on the following coats.
- Follow the drying times and the recoating intervals as stated in the technical data sheet of each product. A good rule would be to apply one coat per day.
- NB! Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite. To avoid the risks, burn it immediately or put it in water.



A good basis for varnishing

Before applying any varnish it is advisable to increase protection by applying a penetrating wood treatment. The main purpose of this product is to increase the waterproof barrier of the system, to provide good protection against fungus and rot and also provide a well prepared substrate for varnishing.

TYPES OF VARNISHES AND WOOD TREATMENT PRODUCTS

Navi Lack I: Preserving oil for wooden boats, interior and exterior above the waterline, with very good penetration effect. Ideal foundation for treatment with Abolin Yachting varnishes.

Substrate to be dry and free of contamination. Wash oily tropical hardwood with Abolin Thinner No 200. Sand with P60 – P80. Remove existing varnishes and loose wood fibres. Apply 1-3 coats, wet-on-wet, depending on surface absorption.

Navi Lack II: Urethane, high gloss varnish with exceptional flexibility and high hardness. Gives a professional finish, with a light golden finish. Its UV filters enhance the natural beauty of the wood. Very good levelling and gloss retention.

Substrate to be dry and free of contamination. To be applied over **Navi Lack I** or on old surfaces previously coated with Navi Lack II in good condition.



Navi Lack I

Product description

Type

This product is a conserving oil for wooden boats.

Features and benefits

It is based on a special oil with very good penetrating effect. It provides a very good foundation for treatment with Abolin Yachting varnishes.

Recommended use

Ideal for both exterior and interior surfaces.

Packaging (typical)

	Volume (litres)	Size of containers (litres)
Navi Lack I	5.00	5.00

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/urethane
Solids	24 ± 2 volume %
Flash point	62 °C
VOC	630 g/l
VOC-Solvent Emission Directive	5.3 g/kg

Application data

The product can be applied by

Brush: Brush designed for stains.

Product mixing ratio (by volume)

Single pack

Thinner

Abolin Thinner No. 200

Drying times

Relative Humidity (RH) 50 %

Substrate temperature	5 °C	10 °C	23 °C	40 °C
Surface (touch) dry	12 h	10 h	1,5 h	1 h
Dry to over coat, minimum	24 h	20 h	7 h	6 h

Directions for use

Surface preparation

Surfaces with grease, oil or other contamination, wash with recommended Abolin Yachting detergent. On coated surfaces remove loose varnish, weathered wood and loose wood fibre. For best result, the substrate should be clean, dry and free from any contamination.

Pretreatment

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

Primer

Apply 1-3 coats of Navi Lack I, wet-on-wet, dependant on surface absorption.

Finish coat

Apply the recommended Abolin Yachting varnish.

Remarks

Ready to use. Do not add thinner.

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

Navi Lack I 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.

Navi Lack II

Product description

Type

This is a premium clear alkyd based wood oil/varnish. It contains UV-filter. Used together with Navi Lack I it makes a good system for surface treatment for wooden boats.

Features and benefits

It has good water and wear resistance and provides good flexibility. It is fast drying.

Recommended use

To be used on all wooden surfaces above the waterline.

Packaging (typical)

	Volume (litres)	Size of containers (litres)
Navi Lack II	5.00	5.00

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/urethane
Solids	46 ± 2 volume%
Flash point	35 °C
VOC	413 g/l
VOC-Solvent Emission Directive	3.47 g/kg

Application data

The product can be applied by

Brush: Brush designed for stains.

Spreading rate per coat

Theoretical 15 -20 m²/l

Recommended film thickness per coat

Wet 45 µm - 65 µm

Dry 20 µm - 30 µm

Product mixing ratio (by volume)

Single pack

Thinner

Abolin Thinner No. 200

Drying times

Relative Humidity (RH) 50 %

Substrate temperature

	5 °C	10 °C	23 °C	40 °C
Surface (touch) dry	10 h	6 h	1 h	1 h
Hard dry	24 h	20 h	12 h	8 h
Dry to over coat, minimum	48 h	36 h	24 h	12 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. New oily tropical hardwood should be washed with Abolin Thinner No 18 or a thinner for cellulose varnish followed by light sanding. Weathered surfaces should be sanded to fresh wood.

Painted surfaces should be washed with an alkaline detergent, rinsed with fresh water followed by light sanding. All surfaces should be sanded with P80-P180. Remove dust from sanding.

Primer

Apply 5-15 coats of Navi Lack I, wet-on-wet, dependant on surface absorption. Alternatively, apply one coat of this product diluted 20-30% with the recommended Abolin Thinner.

Finish coat

Apply 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

Navi Lack II 48 month(s)

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Health and safety

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