

## Yacht varnish

### Specification

It is resistant to advanced humidity, temperature fluctuation and other weather effects. It reliably protects wood against pest, mould and fungi. It has advanced resistance to abrasion, scratches, strikes and other mechanical load. It has perfect flexibility (it doesn't crack through the time). It gives wood perfect decorative properties. It has optimized drying period.



### Sphere of application

It is intended for decorative protection of wooden above water and interior parts of sea and river ships as well as for window frames, doors and other wooden surfaces.

### Technical data

Consumption standard of 1 layer	60-80 ml/m <sup>2</sup> , depending on the way of application and type of surface.
Solvent	Odorless solvent TM Maxima, maximum of 10% from the varnish weight.
Application	Apply with a brush, a roller or a spraying gun.
Drying period (23 °C, 50% RH)	4 hours. Drying period increases if the temperature is getting down and relative air humidity is getting higher.
Gloss (DSTU ISO 2813)	matt – max. 30 GU semi-matt – 30-60 GU glossy – min. 100 GU (at 60°)
Hardness (DSTU ISO 1522)	≈ 75 sec., König pendulum.
Solids content (DSTU ISO 3251)	49±2 %, depending on the gloss degree.
Density (DSTU ISO 2811-1)	0,92-0,94 g/cm <sup>3</sup> , depending on the gloss degree.
VOC content (ISO 11890)	475±10 g/l, depending on the gloss degree.
Non-volatile matter by volume (DSTU ISO 3233)	40±2 %
Warranty period	24 months from the date of manufacturing.
Packaging	0,75 l, 2,5 l, 20 l
Color	colorless.
Gloss	glossy, matt, semi-matt.

### Composition

Urethane alkyd resin, solvent, additives.

## Application instruction

### 1 Preliminary preparation

The surface shall be dry (maximum humidity is 20%). Clean thoroughly from dirt, grease, dust, wax and polishing products.

Surfaces, previously coated with the mixture of varnish with solvent, shall be cleaned from old loose and weak coats. After that sandpaper it till matt condition.

Previously coated surface by acrylic varnish shall be cleaned completely from the varnish.

Polishing is performed in two steps. The surface is polished up with coarse-grained abrasive paper, then finished with fine-grained abrasive paper.

Defected surfaces (holes, rends, cracks) shall be filled with Putty for wood TM Farbex in a proper tint. After that, the surface shall be



polished up.

It is recommended to avoid cleaning methods which can damage wood fibers (for example sandblast apparatus).

## 2 Priming

Previously varnished wooden surfaces do not require undercoating.

Previously untreated wooden surfaces shall be coated with Wood-protective product "Base" TM Maxima.

Edges of wooden products shall be treated more carefully and completely impregnated.

## 3 Application

Make sure that the primed cover is dry enough before applying the finish coating.

Stir the varnish thoroughly before use.

Apply the undiluted varnish in 1-3 coats with a brush or a roller on undercoating surfaces. In the case of applying with a spraying gun, the varnish shall be diluted with solvent.

The application of the next coat shall be provided in 24 hours.

It is recommended to polish intermediate coats with small-grained sandpaper.

Do not apply a thick coat of varnish!

Application is performed at the temperature from + 10 °C till + 35 °C and relative air humidity no more than 80%. Do not apply the varnish under direct sunlight, strong wind, frost and atmospheric precipitation. After the coating is applied it shall not be affected by atmospheric precipitation for 24 hours.

The surface is ready to use in 48 hours. Complete hardening and achieving of its properties shall be in 14 hours.

## 4 Tool cleaning

Clean tools with solvent after application. The dry product shall be removed from the tools in mechanical way.

## SAFETY

Keep away from fire! Keep in tightly closed original containers at the temperature from -20 °C till + 40 °C. Keep out of moisture, direct sunlight and food. Keep in the places out of reach of children. During application use personal safety gear (work clothes, rubber gloves, a respirator and safety glasses). Provide well-arranged ventilation of the space if the application is indoors and 48 hours after coating. If skin contact, wash thoroughly with water and soap. If eye contact, rinse with plenty of running water. Consult a doctor if necessary. It doesn't contain lead and lead compounds. Actual VOC content ≤ 499 g/l. More detailed information you can read in the safety data sheet. The product has a sanitary-epidemic conclusion of the state expertise.

## ENVIRONMENTAL PROTECTION

Do not empty into drains, ponds and in soil! Liquid rests shall be delivered to the waste drop-off point. Rests of dry products and empty containers shall be recycled as common construction waste, in accordance with the Law.

The authenticity of this information is based on laboratory tests and practical knowledge. The quality of the product completely corresponds to the demands of TU U 24.3-32318370-003:2007. As a manufacturer, the company isn't responsible for the damage caused by application, which is not in accordance with the directions. Applicability of the product for specific purposes shall be defined entirely by the consumer. Current information loses validity with the issue of a new edition.

