

# Yacht Varnish

## Technical Data Sheet



### Product description

Penguin Yacht Varnish is a high-quality, urethane-modified, single-component yacht varnish. It is transparent, does not change the natural color of the wood. Designed for humid places.

### Sphere of usage

Penguin Yacht Varnish is used as a decorative and protective coating on wooden, especially board the wooden surface of ships where need to be protected. It is resistant to the impact of external factors such as impact, friction, sun lights.

### Film thickness and spreading rate

	Min	Max
Film thickness, dry ( $\mu\text{m}$ )	30	40
Film thickness, wet ( $\mu\text{m}$ )	65	80
Theoretical spreading rate ( $\text{m}^2/\text{lt}$ )	10	13

### Physical specifications

Color	Transparent
Solid content (% by volume)	57 $\pm$ 2
Density (gr/ml)	0.92 $\pm$ 0.03
Viscosity (25°C) KU	60 $\pm$ 5
Gloss level	Gloss
Thinner	It can be diluted with Penguin Synthetic Thinner up to 10-15% or For the odorless and better application use Penguin Exclusive Synthetic Thinner up to 10-15%

### Paint consumption

Depending on the surface smoothness and the method of application, a single layer of 1 kg can be painted on an area of 15-20  $\text{m}^2$ . The consumption is affected by the roughness and porosity of the surface to be painted, as well as the method and conditions of painting.

### Surface preparation

Before application, the surface must be cleaned of old paint residues, dust, dirt and oil residues. After the cleaning, surface is filled with Penguin Cellulosic Filler and sumpated. It is used as two coats and you have to wait a day between coats.

### Application methods

**Spray** Appreciate

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### Guiding data Airless spray

Pressure at nozzle	120 - 180 bar
Nozzle size	0.38 - 0.48 mm
Spray angle	60 – 80°
Filter	Filter must be cleaned

### Guiding data Airspray

Pressure at nozzle	3-5 bar
Nozzle size	1.2 – 1.5 mm

<b>Brush</b>	Appreciate. Care must be taken into account to achieve the specified dry film thickness.
<b>Roller</b>	Appreciate. Care must be taken into account to achieve the specified dry film thickness.

### Drying duration

The drying time mainly depends on the weather conditions, the thickness of the applied layer and the number of applied layers. The table below shows the approximate drying time of the paint depending on the air temperature.

- The area to be painted should be well ventilated (Open air or free air circulation)
- The paint should be applied at the recommended thickness
- The Relative humidity should not exceed 70%.

Weather temperature	10°C	23°C	40°C
Surface drying	5 hour	3 hours	1 hours
Top drying	24 hours	12 hours	8 hours
Full drying	24 hours	12 hours	8 hours

### Storage conditions

The paint should be stored in dry, cool, well-ventilated warehouses without direct sunlight, between +5°C and +35°C without opening the lid. It should be mixed well before use. Shelf life is 3 years in unopened packaging.

### Packing types

It is produced in 2.5 lt and 12 lt metal containers.

### The implementing operator

This product is intended for professional use. The applicator or operator must be experienced and knowledgeable about the product. The person in question shall mix and apply the paint according to the specification. Employees participating in the application must be provided with safety equipment.

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### Product color

It can be painted in any color with water-based pastes. There may be slight variations in product color from batch to batch.

### Attention

The above information is based on results obtained from laboratory tests and field applications. In applications outside the company's control, the company is solely responsible for the quality of the paint. It is not responsible for problems that may arise from implementation and application errors.

### Health and safety regulations

Follow the instructions on the container. Store in warehouses where there is no possibility of high temperatures and sparks. Use in well-ventilated areas. In case of contact with the skin during use, it should be washed with a suitable solvent and then with soap and water. In case of eye contact, wash with plenty of water and seek medical attention if necessary.

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S 2	: Keep out of reach of children.
S 3 / 7	: Keep the container in a cool place with the mouth closed/
S 24 / 25	: Avoid contact with eyes and skin.
S 29	: Do not dispose of in drains.
S 46	: In case of ingestion, consult a doctor immediately, show the container or label.

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**Note:** "CMT GROUP" LLC reserves the right to change the information on the technical data page without notice.

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