

## Clipper Varnish

### Product description

#### Type

This product is based on a urethane alkyd resin, which provides a quality varnish finish for wood surfaces.

#### Features and benefits

Durable, clear varnish giving good gloss retention and weather resistance. Free from harmful heavy metals such as Mercury, Lead, Cadmium, Arsenic, Chromium etc.

#### Recommended use

Exterior and interior wood surfaces

#### Substrate

Wood

### Product data

<b>Packaging size</b>	0.75 L, 1 L, 3 L and 4 L
<b>Colours</b>	Clear
<b>Solids by volume</b>	43 ± 2 volume%
<b>Flash point</b>	Closed cup: 36°C (96.8°F)
<b>VOC</b>	466 g/l ISO 11890 EU

### Application data

#### The product can be applied by

Roller : Recommended

Spray : Use conventional spray.

Brush : Recommended

#### Cleaning of painting tools

Jotun Thinner No. 2

#### Film thickness per coat

##### Typical recommended range

Dry film thickness	30 - 40 µm
Wet film thickness	70 - 95 µm

Film thickness will vary and is calculated as average.

Theoretical spreading rate 14.3 - 10.7 m<sup>2</sup>/l

Spreading rate depends on film thickness applied, type of texture, surface porosity, imperfections, temperature, wastage during painting etc.

### Thinner

Jotun Thinner No. 2

### Dilution

Maximum 10%

### Conditions during application

The temperature of the substrate should be minimum 10 °C and at least 3 °C above the dew point of the air, measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying. The moisture content in the substrate should not exceed 4 % (by weight). The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.

### Drying times

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with:

1. Recommended data given is, for recoating with the same generic type of paint.
2. In case of multi-coat application, drying times will be influenced by the number and sequence and by the total thickness of previous coats applied.
3. The surface should be dry and free from any contamination prior to application of the subsequent coat.

#### The drying time is measured by stated values:

Relative Humidity (RH) 50 %

Substrate temperature	10 °C	23 °C	40 °C
Surface (touch) dry	10 h	5 h	3 h
Hard dry	48 h	24 h	18 h
Dry to over coat, minimum	24 h	12 h	8 h

## Directions for use

### Surface preparation

The substrate must be clean and dry. Surface contamination is to be removed by thoroughly rubbing down in the direction of the wood grain, using a suitable abrasive paper and dusted off.

### Recommended paint system

#### Topcoat

Clipper Varnish : 1-2 coats

### Remarks

Other systems may be specified, depending on area of use.

Contents of packaging with different batch numbers must be mixed together before use.

Please contact your local sales representative for more information.

This product is available in: Egypt and Libya.

### 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.

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## 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.

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## 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.