

## Clipper 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 Jotun Yachting varnishes.

#### Recommended use

Ideal for both exterior and interior surfaces.

### Product data

	Volume (liters)	Size of containers (liters)
Clipper I	0.75 / 2.5	0.75 / 2.5

The volume stated is for factory made colors. Note that local variants in pack size and filled volumes can vary due to local regulations.

<b>Colors</b>	clear
<b>Generic type</b>	alkyd
<b>Solids by volume</b>	24 ± 2 volume%
<b>Density</b>	0.847 g/cm <sup>3</sup> calculated
<b>VOC-Solvent Emission Directive</b>	5.3 g/kg SED (1999/13/EC)

The provided data is typical for factory produced products, subject to slight variation depending on color.

### Application data

#### The product can be applied by

Brush: Brush designed for stains.

#### Thinner/Cleaning solvent

Thinner: Jotun Thinner No. 2

#### Product mixing ratio (by volume)

Single pack

### Drying and Curing time

The drying time is measured by stated values:

Substrate temperature	5 °C	10 °C	23 °C	40 °C
Surface (touch) dry	12h	10h	1.5h	1h
Recoatable, minimum	24h	20h	7h	6h

Surface (touch) dry: The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.

Recoatable, minimum / Dried to over coat, minimum: The recommended shortest time before the next coat can be applied.

### Directions for use

#### Surface preparation

Surfaces with grease, oil or other contamination, wash with recommended Jotun 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 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.

#### Primer

Apply 1-3 coats of Clipper I, wet-on-wet, dependent on surface absorption.

#### Topcoat

Apply the recommended Jotun Yachting varnish.

#### Product compatibility

Previous coat: Apply 1-3 coats of Clipper I, wet-on-wet, dependent on surface absorption.

#### Additional information

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

Clipper 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.

## Note

This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to Jotun's technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to the responsible Jotun representative for approval before commencing the work.

## 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.

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not inhale spray mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

## Color variation

When applicable, products primarily meant for use as primers or antifouling may have slight color variations from batch to batch. Such products may fade and chalk when exposed to sunlight and weathering.

Color and gloss retention on topcoats/finish coats may vary depending on type of color, exposure environment such as temperature, UV intensity etc., and application quality. Contact your local Jotun office for further information.

## Miscellaneous

### Contact information

Jotun A/S  
Box 2021  
NO-3202 Sandefjord  
Norway

Tel.: +47 33 45 70 00

### 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 (Eng) version will prevail.