

## TRESTJERNER Hardvoksolje

### Product description

#### Type

**TRESTJERNER Hardvoksolje** is a high quality surface treatment for solid wood and parquet flooring based on processed vegetable oils and hard wax.

#### Features and benefits

The product gives a matte, durable and water-resistant finish that highlights the wood's natural colors and texture.

#### Recommended use

**TRESTJERNER Hardvoksolje** can be used for maintenance of previously hardwax-oiled floors. Surface treatment for indoor use on new or sanded wood floors and on sanded parquet flooring, as well as for maintenance of previously hardwax-oiled surfaces. The product can also be used indoors on new or sanded wood such as details, worktops and furniture.

The product meets the requirements for use in contact with foods (EN 1186) when the surface is completely cured.

Please note! The end result is dependent on surface structure and absorbency, number of treatments and application method.

If staining is desired, the floor can be treated first with **TRESTJERNER Gulvolje** (see Technical Data Sheet) and then **TRESTJERNER Hardvoksolje**. Floors, where **TRESTJERNER Gulvolje** have been applied in white, shades of grey and bright colors, can get a more golden look by using **TRESTJERNER Hardvoksolje** as a clear finishing treatment. Dark colors will get a deeper hue when using **TRESTJERNER Hardvoksolje** as a clear finishing treatment.

For maintenance of previously hardwax-oiled surfaces, a test must be carried out to check that the adhesion to **TRESTJERNER Hardvoksolje** is satisfactory. If the hardwax-oil does not adhere satisfactorily to the substrate, the floor should be sanded to bare wood before treatment.

### Product data

<b>Packaging size</b>	0.75 L and 3 L
<b>Base availability</b>	
<b>Tinting</b>	Shall not be tinted.
<b>Colours</b>	Clear
<b>Gloss level</b>	Matt 6–10
<b>Solids by volume</b>	35 ± 2 volume%
<b>Specific gravity</b>	0.93
<b>Flash point</b>	Closed cup: >62°C (>143.6°F)
<b>VOC for Ready-for-Use Mixture</b>	EU limit value for the product (cat. A/i): 500 g/l. The product contains max 500 g/l VOC.

## Application data

### Remarks

Stir well up from the bottom.

Contents of tins with different production numbers should be mixed.

**Due to danger of ignition, used cloths must be burned immediately or soaked in water.**

### Application equipment / methods

Paint brush (suited for varnish) or roller and paint brush (suited for varnish).

#### Manual application:

Stir well before and during use. Work on one field at a time.

Begin to hardwax-oil along the skirtings corresponding to 2-3 floorboards. Apply the hardwax-oil lengthways along the boards in an even and thin coat with a paint brush attached to the extension shaft or a short-haired roll for smooth surfaces. Brush out with a paint brush (suited for varnish) throughout the length of the floorboard.

Work like this in fields of 2-3 floorboards at the time until the surface is finished hardwax-oiled. Any unevenness in the substrate due to fibres to be sanded down lightly with sanding paper no. 180.

#### Mechanical application:

Stir well before and during use.

Pour a suitable amount of hardwax-oil on the floor and work the oil into the wood with a white or red pad under the polisher. Distribute excess hardwax-oil with the polishing machine and add more as needed. Polish the finished oiled surface with a dry floor cloth underneath the pad.

Repeat the polish with dry floor cloths until the surface is dry and has a good finish.

When handling large surfaces, work should be divided into smaller areas of 5-6 m<sup>2</sup>.

### Cleaning of painting tools

Clean with White Spirit.

### Thinner

The product is ready to use and should not be thinned.

### Spreading rate and film thickness

	Spreading rate per coat (m <sup>2</sup> /liter)	Film thickness per coat (µm)	
		Wet (calculated)	Dry (calculated)
<b>Recommended:</b>	15 - 25	40 - 67	14 - 23

### Conditions during application

Ensure good ventilation during application and drying.

Temperature of air and substrate must be above +10 °C when using the product.

### Drying times

Low temperature, high humidity and consumption beyond the recommended amount will prolong the drying and curing time.

<b>Relative Humidity (RH)</b>	50 %
<b>Air temperature</b>	23 °C
<b>Substrate temperature</b>	23 °C

<b>Recoatable, minimum</b>	6 hours
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Dry to use	12 hours
Cured	Ca 7 days

Exercise caution during the curing period.  
Avoid carpets on the floor in the first month after treatment.

## Directions for use

### Surface preparation

All substrates must first be cleaned with **TRESTJERNER Gulvrens**.  
The surface should be completely clean and dry, and free of grease, soap residues and any wax / polish before varnishing.

Previously hardwax-oiled surfaces:	To be sanded with abrasive paper no. 150-180. Be sure to sand between the blocks to avoid cracking flaking. Vacuum and then wipe the surface with a microfiber cloth. Previously hardwax-oiled surfaces with deep scratches and damage should be sanded to bare wood / parquet.
Previously laquered and painted surfaces:	To be sanded down to bare wood / parquet. Use grinding machine to ensure smooth and thorough sanding. Finish with 180 grit. Remove dust from sanding. Vacuum and wipe the surface with a microfiber floor cloth.

### Finishing treatment

Apply 2 coats **TRESTJERNER Hardvoksolje** on new and sanded surfaces.  
If staining is desired, the floor can be treated first with **TRESTJERNER Gulvolje** (see Technical Data Sheet) and then **TRESTJERNER Hardvoksolje**.  
For maintenance of previously hardwax-oiled surfaces, apply 1 coat clear hardwax-oil.

### Maintenance

Daily cleaning:	Vacuuming / Dry mopping with microfiber cloth.
Regular cleaning (on dirty floors):	Cleaning with <b>TRESTJERNER Oljepleie</b> and water (ratio 1:20). Use only slightly dampened mop. Avoid water spills on the floor.
Periodic maintenance:	<b>TRESTJERNER Hardvoksolje</b> can be used for maintenance of previously hardwax-oiled floors. Maintenance must be initiated before the floor is worn down to bare wood. Follow the instructions under Surface preparation and Application equipment/methods.

## Management, Operation and Maintenance

Please refer to the Drift og Vedligeholdelse datasheet for information regarding maintenance and repair of the painted surface.

### Storage

The product can withstand frost. In storage and in transport keep the container upright.

### Disposal of waste

Empty containers and residues of contents are delivered to municipal waste disposal or nearest environmental station.



## 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.

### Safety rules

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Product registration number: 4182279

## Miscellaneous

### Contact information

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### Disclaimer

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Dealers should always consult Jotun Danmark A/S for specific guidance on the general suitability of this product for their customer's needs and specific application practices.

If there is any inconsistency between different language issues of this document, the Norwegian (Norway) version will prevail.