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# Hard Oil

- pure solid - free of solvents

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Product Information  
Art.No. 1310 - 1314

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## • APPLICATION

Sturdy surface treatment Protection for wood, cork and stone in the interior, especially for floorings, furniture, work-tops, and window frames.

## • GENERAL

In a process developed by KREIDEZEIT the Hard Oil -pure solid- is made by melting colophonium resin into a mixture of linseed oil / tung oil. Linseed oil ensures a deep penetration of even the smallest wood pores thanks to a small molecule size and a long processing time.

The contingent of solid bodies is 100 % (-> "pure solid"). This means that the product does not contain water or solvents, it is solely made from natural oils and resins.

## • PROPERTIES

- Free of solvents and water, very yielding
- Diffusible, antistatic, "warm" surface
- Transparent, honey tinge
- emphasizes the colour
- Easy to apply, easy to repair
- Excellent permeation
- Resistant to saliva and perspiration acc. to DIN 53160
- Suitable for the treatment of toys (in accordance to DIN EN 71, part 3)
- Does not tear or embrittle
- Durable, dirt- and water repellent
- Long "open" processing time

## • INGREDIENTS (FULL DECLARATION)

Linseed oil, tung oil, linseed oil - stand oil, tung oil - stand oil, colophonium glycerine ester, lead-free drying agents.

## • SUITABLE TOOLS

Short-piled rolls or brushes.  
For large surfaces: floor machines with soft pads.

## • USAGE

The surface must be untreated, clean, dry, free of fat, chemically neutral and absorbent. Application temperature at least 8 C.

Always mix packages of different batch numbers before application. We recommend applying a trial coat on a concealed spot to evaluate possible colour changes of the surface. Hard Oil must not be poured onto the surfaces!!!

## 1. Preparations

Clean and grind (P 120 - P 180) untreated wood, round off edges and dedust.

## 2. Sequence of Coatings

Kreidezeit Hard Oil is applied two times, let the first layer dry before applying the second layer.

Grinding might be necessary before application of the second layer.

The second layer of Hard Oil is to be applied very sparingly.

## Manual Application

Apply Kreidezeit Hard Oil -pure solid- evenly with a short-piled roll, with a cloth or a paint brush. After a residence time of approx. 20 - 30 minutes (at 20 C), polish the whole surface thoroughly with a dry, lint-free cloth until the treated surface shows an even, silky-matt appearance.

## Machine Application

Apply Kreidezeit Hard Oil -pure solid- with a short-piled roll, work evenly into the wood after approx. 10 - 45 minutes with a soft pad, then polish the whole surface thoroughly until the treated surface shows an even, silky-matt appearance.

Thoroughly remove all surpluses when polishing the surface, they could lead to glossy, sticky spots. ***Kreidezeit Hard Oil -pure solid- should permeate completely into the wood and must not form a layer on the wood.***

## 3. Intermediate Grinding (optional)

An intermediate grinding is only necessary if wood fibres have erected after the first coating and the surface is rough after drying.

Intermediate grinding with sand paper P 180 - P 220 the direction of the fibres.

Dedust thoroughly after grinding.

## 4. Wax Treatment

Generally, oiled floorings do not need a wax treatment. A treatment with Kreidezeit Carnauba Wax Emulsion (Art.No. 420) is possible after at least 48 hours to increase gloss. Dilute the emulsion at a ratio of 1 : 1 with water, apply thin and evenly, let dry and polish.

We recommend a damp moist cleaning with water and a bit of Marseille Soap (Art.No. 220) prior to this treatment to improve wettability.



- **DILUTION**

For manual application at very low temperatures or for wood of low absorbency (e.g. oak tree) we recommend diluting the product with up to 20 % of Kreidezeit Balsamic Turpentine Oil (Art.No. 447).

- **DRYING TIMES**

Dry and safe to overwork with the same product after 24 hours at 20 C at 60 % relative humidity. High humidity, coldness, surfaces containing tannin (oak etc.) and too thick layers can increase the drying time significantly. The hardening process takes approx. 4 weeks, treat surfaces gently during this time.

- **CLEANING OF TOOLS**

Immediately after use with Balsamic Turpentine Oil (Art.No. 447), then rinse with warm, soapy water (Marseille Soap, Art.No. 220).

- **YIELD**

According to absorbency of the surface:  
approx. 0.050 - 0.080 litres / m<sup>2</sup> per coating.  
Accurate consumption values to be determined on site.

- **PACKAGE SIZES**

Art.No. 1310 .....	0.75 l
Art.No. 1311 .....	2.50 l
Art.No. 1312 .....	5.00 l
Art.No. 1313 .....	10.00 l
Art.No. 1314 .....	20.00 l

Please refer to the valid price list for product prices.

- **STORAGE**

If stored above zero degrees centigrade and sealed airtight, the product can be kept for at least 2 years.

- **DISPOSAL OF RESIDUES**

Do not dispose of residues into the sewage system. Keep product remainders sealed airtight and use up later. Dried residues can be disposed of with normal household litter. Dispose of empty containers through resource collection points. Adhere to legal regulations for disposal of resin- and paint remainders.

- **NOTES**

Discolouring may occur in areas with low natural light. With drying of natural oil products a typical smell may be present, however, this will disappear after a while. Iron filings on the surface which are not removed can lead to discolouring when over-coated with Hard Oil.

- **HAZARD CLASSIFICATION**

Not applicable, non-hazardous product

- **SAFETY ADVICE**

**Cloths containing drying oils can self-ignite! Let drenched cloths dry outside or keep them in a closed, fire-proof container (glass or tin can). Ensure that Hard Oil does not come into contact with porous or absorbent insulation materials like expanded clay or cellulose insulation during application.** There is also danger of self-ignition! Hard Oil must not be poured onto the surfaces!!! Keep out of reach of children. Consider possible allergies to natural substances.

- **CLEANING AND CARE**

- Sweep/vacuum clean only with a soft broom or a vacuum cleaner with extended floor brush.
- Never use hot water for wiping, only use luke warm water.
- **Only wipe damp moist.**
- Use only soft (cotton) wipes.
- **Do not use microfibre cloths or pads as they will wear away the oil.**
- **Remove liquid stains immediately, do not let them dry.**
- Care/reconditioning with Carnuba Wax Emulsion (Art.No. 420) in the cleaning water.
- Cleaning with sparingly dosed Marseille Soap (Art.No. 220) only when necessary.

Please take also note of the Information "Floor Care".

The above information has been compiled in accordance with the best of our experience and knowledge. Owing to the application methods and environmental influences, as well as the various surface properties, no liabilities or legalities pertaining to the individual recommendations can be entertained. Prior to application, the suitability of the product is to be tested (trial coat). The validity of the text ceases with revisions or product modifications. You will find the latest product information at >> [www.kreidezeit.de](http://www.kreidezeit.de) << or directly at Kreidezeit.

(12/2005)

