



# Koranol® Hartwachs-Öl



## 1. Product Description

<b>Approval number</b>	Z-157.10-159
<b>National technical approval</b>	German Institute for Building Technology, Berlin; Emissions-tested building product as per DIBt primer specifications.
<b>Product type</b>	Universal floor and furniture wax. For the decorative design of all wood and floors indoors. Creates robust wooden surfaces. Successfully tested in accordance with DIN EN 71-3 "Safety of Toys" (RL 2009/48/EG). Anti-slip effect "R10" according to DIN 51130:2014
<b>Protective effect</b>	High mechanical strength, abrasion and scratch-resistant, chemical-resistant, anti-static.
<b>Properties</b>	<ul style="list-style-type: none"><li>• Based on natural and renewable raw materials</li><li>• Light colour-firing effect</li><li>• Water-repellent</li><li>• Moisture-regulating</li><li>• High penetration depth</li><li>• Low-odour thanks to the use of low aroma solvent, odourless after drying</li><li>• Transparent - enhances the structure and grain</li><li>• Ready to polish</li><li>• Low yellowing</li><li>• No danger of spontaneous combustion for wetted textiles (soaked rags, etc.)</li></ul>
<b>Application</b>	For the protection and care of wood fitted indoors (e. g. floorboards, furniture surfaces, decorative wood in living areas). Also suitable for cork flooring.  colorless, natural white (silk mat) and colorless mat
<b>Shades</b>	0.75 l   2.5 l   5 l   20 l (colorless, natural white) or 0.75 l   2.5 l (colorless mat)

## 2. Technical Data

<b>Density 20 °C</b>	Approx. 0,85 g/cm <sup>3</sup>
<b>Viscosity</b>	Fluid
<b>Flash point</b>	> 61 °C
<b>Drying</b>	Touch dry after approx. 1 hour and stackable after approx. 3-4 hours in normal ambient conditions (23 °C, 50% relative humidity as per DIN 50014). Can be recoated after approx. 12 hours Completely dry after approx. 24 hours, fully cured after 3 days. Do not expose to moisture for at least one week! Drying may take longer depending on the wood. Suitable polishing tools (brush, Fladder polishing machine) may be used to enhance the dried surface.

## 3. Processing

<b>Preparation</b>	Remove any opaque paint systems, clear varnishes or thick-film glazes completely. Clean dirt and dust off wooden surfaces. Sand the wood to remove raised wood grains and to achieve a uniform wooden surface (150–180 grain, up to 320 grain for finer surfaces, depending on the desired effect). The substrate must be dry, load-bearing, clean, free of grease and oil.
<b>Application quantity</b>	Approx. 70 g/m <sup>2</sup> in a maximum two-coat application
<b>Application method</b>	Apply with a brush, roller, mop, sponge or mechanical pad
<b>Application</b>	Check the colour before processing a large area; we recommend that you always make a trial application. Koranol® Hard Wax Oil is ready for use. Still thoroughly before use. Apply with a soft brush or roller in the direction of grain. Use a cloth to rub excessive Koranol® Hard Wax Oil off the surface. No excess material must remain on the surface. A second coat may be necessary on highly absorbent substrates. This should only be done 12 hours after it is completely dry. A polishing tool (brush, Fladder polishing machine) may be used to enhance the dried surface.
<b>Application recommendations</b>	Apply Koranol® Hard Wax Oil undiluted, do not mix with other products. The wood moisture content must not exceed 20%. Optimum processing and drying temperature: +15 °C to +30 °C (applies to the substrate, Koranol® Hard Wax Oil and the ambient temperature). Drying temperature: at least +5 °C. Only apply Koranol® Hard Wax Oil to wood treated with other products after making a trial application.
<b>Overpaintability and renovation</b>	Koranol® Hard Wax oil cannot be overpainted with a varnish or scumble. Old surfaces coated with Koranol® Hard Wax Oil can be renovated easily. Clean dirt and dust off the wooden surface, sand it down lightly if necessary and then recoat with Koranol® Hard Wax Oil.
<b>Tool cleaning</b>	With brush cleaner, white spirit or resin thinner.

## 4. Special Instructions

<b>Labelling in accordance with Directive (EC) No. 1272/2008 [CLP]</b>	Safety data sheet available on request.
<b>Instructions for use and warnings</b>	Please use only in accordance with the usage instructions. Misuse may cause health problems and lead to environmental damage. Provide adequate ventilation (cross ventilation) during processing and drying. Do not work near an open fire or open flames. Avoid skin and eye contact, wear suitable protective clothing (protective gloves, safety goggles). Keep out of the reach of children. When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. If medical advice is needed, have the product container or label at hand.
<b>Storage and environmental protection</b>	Only store in original containers! Seal containers tightly after use. Do not empty into surface waters or drains. Do not store at temperatures below +5 °C or above +30 °C.
<b>Disposal</b>	Ensure proper disposal of cleaning residues as well as containers that are not empty (collection point for hazardous waste). Place emptied (drip-free) containers in recycling material containers.
<b>EWC / German waste catalogue regulation AVV</b>	08 01 11 - Paint and varnish waste containing organic solvents or other hazardous substances.
<b>VOC content</b>	The maximum value (VOC content) for this product must be 700 g/l (2010), as per Directive 2004/42/EC. The VOC content of this product is < 700 g/l.

The above information has been compiled based on the latest development and application techniques and contains general advisory information. It describes our products and provides information about their application and processing.

As the application and processing of our products is beyond our control, we can only guarantee the consistent quality of our products in accordance with our General Terms of Sale and Delivery. We recommend that you make use of our technical advice in case of doubt.



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