

# Diotrol Aqua Sun-Ex Finish ONE

#80040

## Description

Diotrol Aqua Sun-Ex Finish ONE is a waterborne high-tech coating system for light natural wood such as timber, paneling floors or indoor furniture.

Diotrol Aqua Sun-Ex Finish ONE protects wood from discoloration, such as yellowing or darkening, caused by sunlight. Its light-protective mechanism, in combination with UV-absorber, prevents the photo-chemical oxidation of wood ingredients (mainly lignin) and thus temporal yellowing. The wood will maintain its natural light tint for a longer period.

Diotrol Aqua Sun-Ex Finish ONE comes with a very low Sd-value of 0.01. Thus, even after painting, the very low Sd-Value of Diotrol Aqua Sun-Ex Finish ONE guarantees an unimpeded moisture exchange between the wood and the room. This provides a healthy and pleasant atmosphere in the living environment and due to the balanced indoor air, mold and muggy smell do not have any chance to arise.

### Newest technology!

Diotrol Aqua Sun-Ex Finish One is equipped with a special mechanism to scavenge and block free formaldehyde molecules in the indoor air, caused by emission from wood-work, floor covering, panels or insulation material.

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## Certificate

- M1 Label, Finland

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## Application area

Use only on light and raw coniferous wooden surfaces. For indoor use only.

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## Binder & reactive agents

Combination of polymers and natural wax-emulsion  
UV absorbers, light stabilizer, formaldehyde scavenger

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## Active agents

No biocides.

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## Solids

apr. 35 %

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## Spec. Gravity

1.05 kg/l

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## Gloss

Silky

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<b>Tints</b>	<p>Natura (colorless), Whitish (slightly white)</p> <p>Diotrol collections (DP, AW)</p> <p>RAL, NCS</p>
<b>Packaging</b>	Plastic cans 1L, 5L, 20L
<b>Storage</b>	12 months in appropriate, cool place in closed original packaging. Close packaging properly after usage. Prevent from freezing.
<b>Condition of substrate</b>	<ul style="list-style-type: none"> <li>• The wood must be raw, untreated, dry, dust- and grease-free</li> <li>• The desired light-protective effect can only be achieved with raw and untreated wood. Already darkened wood must be sanded down to its natural wood colour.</li> </ul> <p>The coating result depends on the wood's condition. In case of unknown wood quality, a small test-coating is advisable.</p>
<b>Processing</b>	Brushing, rolling, spraying
<b>Consumption</b>	<p>80 – 110 g/m<sup>2</sup></p> <p>per coating. Depends on the condition of the surface.</p>
<b>Dilution</b>	Ready to use. Do not dilute with water.
<b>Paint system</b>	<p>Use Diotrol Aqua Sun-Ex Finish ONE only on new, fresh wood, indoors</p> <p><b>1 – 2x Diotrol Aqua Sun-Ex Finish ONE</b></p> <p>The paint coating must be applied in a thin and even layer in direction of the wood's grain.</p> <p><i>To evaluate the quality of the product suitable, it would be useful and advisable to make a small test-coating on an invisible area.</i></p>
<b>Note on coloring</b>	<p>Diotrol Aqua Sun-Ex Finish ONE has been developed to protect wood-work against yellowing and darkening permanently. This happens due to photo-oxydation. During the reaction process there can appear a slight pink shade on the wood-surface, due to the base color of the added lightstabilizer.</p> <p>This phenomenon is <b>not</b> a question of bad quality and it does fade for certain, if the surface is exposed to daylight for some time.</p>
<b>Drying at 18 – 20°C (at 75% rel. moisture)</b>	<p><b>Handling</b> after 3 – 4 hours</p> <p><b>Dry</b> after 12 hours</p> <p>Do not apply in direct sunlight or at temperature under 5°C. Damp wood delays drying and stabilizing process.</p>

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<b>Cleaning of tools</b>	After use, wash immediately with clear water. Wash dried material with brush cleaner of universal solvent (Nitro).
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<b>Safety advice</b>	Read safety data sheet.
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<b>Remark</b>	The information given is based on the best understanding and technical knowledge that is currently available, and is meant as recommendation and advice. Diotrol is not responsible for all possible objects of use or ways of using the product. Insufficient wood quality, lack of constructive wood-protection, such as drying cracks in solid wood and/or otherwise identified faults have to be abolished before painting or glazing. Due to varying substrates and practices, test the product before use and ensure proper application. For this the user is held responsible. Possible verbal instructions on the product and its use must be confirmed in writing. A newer version of this document, should such be published, will replace this document.

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July 2019, sky