

Diotrol Aqua Sun-Ex Finish ONE

#80040 | 80041

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.

Note

Due to the high natural oil content, dark yellowing may occur as a result of light exclusion (e.g. inside cupboards, hanging pictures or opaque curtains). However, this process is largely reversible through re-exposure to light.

Certificate

Switzerland (Stiftung Farbe)



Meets the criteria of the Minergie-ECO specifications.

Application area

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

Binder & reactive agents

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

Active agents

No biocides.

Solids

apr. 35 %

Spec. Gravity	1.05 kg/l
Gloss	Silky
Tints	Natura (colorless), Whitish (slightly white) Diotrol collections: DP – Diotrol Plus, AW - Antikwood, Décor RAL, NCS
Packaging	Plastic cans 1L, 5L, 20L
Storage	12 months in appropriate, cool place in closed original packaging. Close packaging properly after usage. Prevent from freezing.
Condition of substrate	- The wood must be raw, untreated, dry, dust- and grease-free - 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. The coating result depends on the wood's condition. In case of unknown wood quality, a small test-coating is advisable.
Processing	Brushing, rolling, spraying
Consumption	80 – 100 g/m ² per coating. Depends on the condition of the surface.
Dilution	Ready to use. Do not dilute with water.
Paint system	Use Diotrol Aqua Sun-Ex Finish ONE only on new, fresh wood, indoors 1 – 2x Diotrol Aqua Sun-Ex Finish ONE The paint coating must be applied in a thin and even layer in direction of the wood's grain. <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>
Note on coloring	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. This phenomenon is not a question of bad quality and it does fade for certain, if the surface is exposed to daylight for some time.
Drying at 18 – 20°C (at 75% rel. moisture)	Handling after 3 – 4 hours Dry after 12 hours

Do not apply in direct sunlight or at temperature under 5°C. Damp wood delays drying and stabilizing process.

Cleaning of tools	After use, wash immediately with clear water. Wash dried material with brush cleaner of universal solvent (Nitro).
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Safety advice	Read safety data sheet.
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Remark	This information is based on current technical knowledge and is meant as a recommendation and advice. Concerning all mentioned paint coat structures, we do not maintain completeness. Insufficient wood quality, lack of constructive wood-protection, drying cracks in solid wood, and other identified faults must be reported by the customer before painting or glazing. Because of the diversification and different kinds of substrates and practices, the user has to test our products mainly for their purpose and has to use and apply them properly. For this, the user is fully responsible. Verbal advice must be documented in writing by a signed document. If a new issue is current, this edition will no longer be available.
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