



DIOTROL DIO-SHIELD WOOD UV

Distinct Design – Clear Protection

#60100

Description	Protects the aesthetics of natural, light-coloured wood – Diotrol Dio-Shield Wood UV. Diotrol Dio-Shield Wood UV is the modern, water-based premium light protection primer for softwood – developed for the highest demands in industrial production as well as in craftsmanship. It reliably protects freshly processed wood from yellowing, thus permanently preserving the natural, light colour of the wood. Equipped with advanced UV absorber technology, Diotrol Dio-Shield Wood UV prevents unwanted darkening of the wood without affecting its structure or appearance. The grain remains visible – the wood retains its vitality and lasting aesthetic appeal. The innovative formulation impresses with its fast drying, easy, odourless application and a block-resistant surface that prevents stacked elements from sticking together. Free from chemical wood preservatives, Diotrol Dio-Shield Wood UV sets new standards in sustainability – ideal for interior design with softwood. Tip For long-lasting, permanent protection against dirt, we recommend a protective coat of Diotrol Dio-Shield Wood ETC – the invisible protective shield for heavily used wood surfaces.
Application area	Indoors profiled boards, panels, interior windows, general interior fittings made from coniferous wood.
Certificates & Labels	Switzerland (Stiftung Farbe) Environmental label Category II (Indoors) C   Meets the criteria of the Minergie-ECO specifications.
Binder	Polymers with light protection additives
Active agents	contains no active agents or biocides
Solids	32.5 %
Spec. Gravity	1.04 kg/l
Degree of gloss	matt The degree of gloss may vary depending on the absorbency of the substrate and the amount applied.
Tints	Colorless Wood is a natural product. Tints may vary depending on the substrate, application or layer thickness.
Packaging	1L, 5L, 20L
Storage	Can be stored for at least 12 months in well-sealed original containers. Store in a cool, dry place (room temperature). Prevent from freezing.



Condition of substrate	General information on wood - The wood must be clean, free of grease, resin and wax and may not contain more than 15% moisture. - Resinous wood must be washed with nitro thinner. - Planed wood must be sanded to ensure good anchorage of the coating. - New, only planed wood, which has been exposed to the weather for a long time, must be sanded or brushed with a hard brush and must be cleaned afterwards. - Edges must be rounded to a radius of 2.5mm. <i>To assess the practicality of the product, we recommend creating a sample beforehand.</i>
Processing	Brush, roller, spraying equipment (protective clothing recommended) Do not apply at outside temperatures below 5°C or above 30°C or at extreme humidity of more than 70%. Avoid direct sunlight. Ensure good ventilation when using indoors.
Consumption	80–100 g/m² per coat on planed, sanded, new spruce wood. To ensure that the light protection can develop properly, the substrate must be untreated. <i>May depend on the nature and absorbency of the substrate.</i>
Dilution	Ready to use.
Paint System	Apply 1 – 2x Diotrol Dio-Shield Wood UV to the untreated wooden surface. (No intermediate sanding required) <i>We generally recommend carrying out a test and creating a sample area before starting work.</i>
Drying at 18 - 20°C (at 50% rel. moisture)	Diotrol Dio-Shield Wood UV can be painted over after approximately 4–6 hours. For subsequent coats with Diotrol Dio-Shield Wood ETC, a drying time of at least 12 hours is required. <i>Depending on the temperature, the application quantity, the humidity, the ventilation and the absorbency of the substrate.</i>
Cleaning of tools	Clean tools with water immediately after use. Solve dry paint residue with nitro thinner or brush cleaner.
Safety advice	Please read safety data sheet.
Remarks	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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