



DIOTROL DIO-SHIELD WOOD ETC

Distinct Design – Clear Protection

#60150

Description	Transparent 2K 'easy-to-clean' coating for interior use – Diotrol Dio-Shield Wood ETC. Dio-Shield Wood ETC provides lasting and reliable protection for your high-quality interior wood surfaces – stylishly and sustainably. The innovative, transparent two-component varnish protects the wood from dirt, graffiti and other everyday wear and tear and ensures a well-maintained appearance – day after day. Thanks to the robust, easy-to-clean surface, everything stays clean and well maintained. This means that your rooms not only retain their beauty, but also their value.
Application area	Indoors Dimensionally stable (and limited dimensionally stable) interior wood surfaces that are exposed to a higher risk of soiling (especially schools, public buildings, residential and commercial buildings). <i>Use only as a final coat in combination with Diotrol Dio-Shield Wood UV.</i> Outdoors Not approved for outdoor use.
Certificates & Labels	Switzerland (Stiftung Farbe) Environmental label Category II (Indoors) C   Meets the criteria of Minergie-ECO specifications.
Adhesion	Adhesion according to DIN EN ISO 2409: GT 0
Binders	Component A (2C Protective Varnish): Modified polyurethane resins Component B (Hardener): Aliphatic isocyanate
Active agents	Contains no active agents or biocides.
Solids	Component A (2C Protective Varnish): 35.40 % Component B (Hardener): 81.60 %
Spec. Gravity	Component A (2C Protective Varnish): 1.055 kg/l Component B (Hardener): 1.124 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	900ml, 5L (Packagings incl. Hardener)

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Storage	Can be stored for at least 24 months in well-sealed original containers. Store in a cool, dry place (room temperature). Protect from frost. Protect from sunlight.
Condition of substrate	<i>Diotrol Dio-Shield Wood ETC must always be used as part of a system, i.e. on a primer coat of Diotrol Dio-Shield Wood UV.</i> - The wood must be clean, free of grease, resin and wax and may not contain more than 15% moisture. - Existing old coatings must be completely removed right down to the intact wood. - Afterwards, a new coating can be applied using the Dio-Shield Wood UV System. - We do not approve its use on other substrates/coatings. <i>To assess the practicality of the product, we recommend creating a sample beforehand.</i>
Mixing ratio	Mixing ratio 2.75 : 1 Stir component A (2C Protective Varnish) thoroughly with a stirring stick or mixer (stir in any material that has settled on the sides or bottom) until a homogeneous consistency is achieved. Then add component B (Hardener) while stirring thoroughly and continue stirring until a homogeneous consistency is achieved. The finished mixture can be used for a maximum of 90 minutes (at 20°C).
Processing	Brush, roller, spraying equipment (protective clothing recommended) When applying with a spray, we recommend smoothing the surface with a brush. Do not use at outside temperatures below 10°C or above 25°C, or in extreme humidity of more than 70%. Avoid direct sunlight. Ensure good ventilation when using indoors.
Consumption	1st coat: 110 – 130ml/m² 2nd coat: 60 – 70ml/m² <i>Consumption may vary depending on the type of wood, the type of treatment and the absorbency of the substrate.</i>
Dilution	Ready to use. Do not dilute.
Paint system	<i>Primer</i> Apply 1 – 2x Diotrol Dio-Shield Wood UV to the <i>untreated wooden surface.</i> (No intermediate sanding required) <i>Easy-to-Clean Protection coat</i> 2x Diotrol Dio-Shield Wood ETC <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. humidity)	Drying Primer Diotrol Dio-Shield Wood UV needs at least 12 hours of drying. Drying „Easy-to-Clean“ Protection • Dust dry after approx. 3 hours. • Can be painted over after 12 hours. The second coat must be applied within 12 to max. 48 hours. • Completely dry after approx. 24 hours. • Cured and chemically resistant after approx. 7 days. <i>Depending on the temperature, the application quantity, the humidity, the ventilation and the absorbency of the substrate.</i>
Cleaning of surfaces in the event of soiling	Normal dirt such as oil, grease and rubber marks from shoes can be cleaned with a mildly alkaline cleaner (e.g. Diotrol Allclean). Any graffiti can be removed with a mild graffiti remover (e.g. DURAGraff Anti-Graffiti Cloth or Scheidel C6 Gel).
Cleaning of tools	Clean tools after use with water.
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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