

# Diotrol Aqua Natural Oil Glaze

**Awarded, water-based wood preservation glaze**

#80000

## Description

Diotrol Aqua Natural Oil Glaze is a water-based wood preservation glaze based on pre-crosslinked, oxidatively drying natural oils. The glaze emphasizes the natural wood structure and the integrated, double UV protection mechanism protects the coating from early ageing.

Diotrol Aqua Natural Oil Glaze is free of biocides and VOC and therefore can be used indoors as well as outdoors. It is tested according to EN 927.1 – 3 by EMPA (Swiss Federal Laboratories for Materials Science and Technology). Diotrol Aqua Natural Oil Glaze is also certified according to EN 71.3 (saliva test), which means it is perfectly suitable for children's toys.

## Application area

Suitable for all limited dimensionally accurate and dimensionally accurate wooden components.

## Binder & reactive agents

Pre-crosslinked natural oil mixture, amine-free

## Active agents / Biocide

None

## Solids

Colorless: 34%  
Tinted: > 34 – 36%

## Spec. Gravity

Approx. 1.05 kg/l

## Degree of gloss

Silky matt to silky gloss, the degree of gloss may vary depending on the absorbency of the substrate and the application quantity.

## Tints

Colorless  
Collections: DP – Diotrol Plus, AW – Antikwood, NC – Nordic Collection  
Coloring according to RAL or NCS

## Packaging

1L, 5L, 20L

## Storage

12 months in appropriate, cool place in closed original packaging. Close packaging properly after usage. Prevent from freezing.

<b>Condition of substrate</b>	<p><b>General information on wood</b></p> <ul style="list-style-type: none"> <li>• The wood must be clean, free of grease, resin and wax and may not contain more than 15% moisture.</li> <li>• Resinous wood must be washed with nitro thinner.</li> <li>• Planed wood must be sanded to ensure good anchorage of the coating.</li> <li>• Weathered and greyed wood must be treated with #82500 <i>Diotrol Degreaser</i>. If the wood is severely cracked, it is considered to be "old wood" and is not suitable. Cracked part must be replaced by new wood.</li> <li>• 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. Avoid using metal brushes, there is a risk of rusting due to the sanding dust.</li> <li>• Edges must be rounded to a radius of 2.5mm.</li> </ul> <p><b>General information on pre-treatment of wood</b></p> <ul style="list-style-type: none"> <li>• Wood at risk of blue stain must be treated with #80100 <i>Diotrol Aqua Impregnation</i> on all sides.</li> <li>• Wood at risk of fungal or insect attacks <b>can</b> be treated with #75100BPIV <i>Diotrol Natural Oil Impregnation B.P.IV</i> before installation. Allow to dry for at least 72 hours.</li> </ul> <p><b>General information on old coatings</b></p> <ul style="list-style-type: none"> <li>• The surface must be checked for suitability and load-bearing capacity for subsequent coatings. Non-bearing, poorly adhering old coats must be completely removed down to the sound wood substance. Do wash a firmly adhering, intact old coating with #82510 <i>Diotrol Allclean</i> and slightly abrade the surface.</li> <li>• Old acrylic coatings must be completely removed. Old oil-based coatings must also be completely removed due to the risk of blistering.</li> </ul> <p><i>In order to assess the product practical, we recommend to create a sample beforehand.</i></p>
<b>Processing</b>	<p>Brush, roller, spraying equipment (protective clothing recommended)</p> <p>In case of a spray application, the surface must be levelled / smoothed with a brush.</p> <p>Do not apply at outside temperatures below 5°C or above 30°C or at extreme humidity of more than 70%. Avoid direct sunlight.</p> <p>When applying indoors, ensure good ventilation.</p>
<b>Consumption</b>	<p>80 – 100 g/m<sup>2</sup> on new raw wood</p> <p>May depend on the nature and absorbency of the substrate.</p>
<b>Dilution</b>	<p>Ready for use. If needed dilute with 5% water.</p>
<b>Paint system</b>	<p><b>On new wood, outdoors</b></p> <p>1x Diotrol Aqua Natural Oil Impregnation, colorless or tinted</p> <p>2x Diotrol Aqua Natural Oil Glaze, tinted</p> <p><b>Note</b></p>

A rough sawn finish is the most suitable surface for Diotrol Aqua Natural Oil Glaze. The wooden fibres must be well covered and coated all around.

**Maintenance**      **Follow the instructions of section Condition of substrate.**

2x Diotrol Aqua Natural Oil Glaze, tinted

**Drying at 18 –  
20°C (at 50% rel.  
moisture)**

- Grip-proof after 2 hours
- Over paintable after approx. 6 hours

Depending on the temperature, the application quantity, the air humidity and the surface's absorbency

**Cleaning of tools**

Clean with water immediately after use.

Solve dry paint residues with nitro thinner or brush cleaner.

**Safety advice**

Please read safety data sheet.

**Remarks**

This information is due to the current, technical know-how and is meant as 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 otherwise identified faults have to be admonished by the customer before painting or glazing. Because of the diversification and different kinds of substrates and practice, the user has to test our products mainly for his own purpose and has to use and apply them properly. For this, he is fully responsible. Verbal advice must be fixed obligatory by a signed document. If a new issue will be current, this edition will be no more available

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