

Diotrol Natural Oil Glaze

#75xxx

Description Diotrol Natural Oil Glaze is an open porous wood preservation glaze, which penetrates deeply, does not flake and emphasizes the natural character of the wood. Diotrol Natural Oil Glaze is formulated with natural oil mixtures and an amount of proven alkyd resins and is produced in a complex mixing process. It is proven since 1938. Diotrol Natural Oil Glaze is easy to apply and protects the wood from weathering due to heavy rain. It does not contain biocides and is highly renovation friendly.

Application area Suitable for wooden components such as facades, cladding, trussing, shingles, roof shades, window shutters, garage doors, garden fences and much more.

Binder Combination of several natural oils and alkyds

Active agents none

Solids App. 34 – 36%

Density 0.856 – 0.870kg/l, depending on tint

Gloss flat to satin-gloss (depends on absorbency of the substrate and the amounts of coatings)

Tints colorless or according to collection DP Diotrol Plus or AW Diotrol Antik Wood

Packing Diotrol Natural Oil Glaze, tinted: 1l, 5l und 18l can
Diotrol Natural Oil Glaze, colorless: 1l, 5l, 10l, 25l can or 200l barrel

Storage 12 months in appropriate, cool atmosphere and closed original packing. Once open, packing must be closed properly. Otherwise there might be skinning due to the high amount of oils.

Protect from heat.

Substrate

- The substrate must be clean, dry, solid and free from substances which interfere adhesion like grease, big amount of rosin, wax or any kind of polish. Wood-moisture: 11 – 18%.
- The surface must be tested if it is solid enough for the following coating. Non-load-bearing, bad adhering old paint layer must be removed completely. Old paint layers which are intact and have good adhesion, can be cleaned with DiOLiN Allclean, and sanded properly.
- Weathered and greyed wood must be sanded down to the healthy wood substance, or treated with Diotrol Degrayer.
- New and only planed wood, which has been weathered for a long time, must absolutely be sanded or cleaned by a hard brush.
- Edges must be rounded up to 2.5mm radius.
- Blue-stain endangered wood must be treated with Diotrol Natural Oil Impregnation on all sides if possible.
- Old oilpaint on oil-glaze must be removed completely because of blistering.
- Cross-cut areas must be impregnated with Diotrol Natural Oil Impregnation 2 x wet on wet until saturation, or protected with Diotrol Woodseal.

- Wood-quality, which contains leaking rosin must be washed by an aggressive solvent like nitro.
- New and fresh cut timber should be moistened and dried to raise the fibres for better adhesion.

To judge the quality of the product in practice, we recommend to determine a small test area at a less visible spot.

Handling	<p>Brush, glazing-machines</p> <p>Do not use at temperatures below 5°C, direct sunlight or extreme humidity.</p>
Consumption	ca. 100g/m ² per coating on new, grinded coniferous wood (depends on condition of the substrate and its absorbency).
Dilution	<p>Ready to use, if necessary use White Spirit or Diotrol Natural Oil Impregnation to dilute.</p> <p>If applied with a glazing-machine do not dilute.</p>
Paint system	<p>Application outdoor, tinted on new wood</p> <p>1x Diotrol Natural Oil Impregnation 2 – 3x Diotrol Natural Oil Glaze, tinted</p> <p>You may use 20 – 25% Diotrol Flatoil with the third coat of paint.</p> <p>Application outdoor, tinted on old wood (renovations)</p> <p>1x Diotrol Natural Oil Impregnation; in case of light greying blend the Impregnation with app. 5% Diotrol Woodprimer (corn, caramel, salmon). 2 – 3x Diotrol Natural Oil Glaze, tinted</p> <p>You may use 20 – 25% Diotrol Flatoil with the third coat of paint.</p> <p>Application outdoor, covering white</p> <p>1x Diotrol Natural Oil Impregnation 2 – 3x Diotrol Natural Oil Glaze, white</p> <p>Application indoor</p> <p>1 – 2 x Diotrol Natural Oil Glaze tinted, lightened with Diotrol Natural Oil Glaze, colorless or unpigmented natural oil glaze. Can be mixed or recoated with Diotrol Clear Lacquer (flat, glossy, satin-glossy).</p> <p>Please contact service department for further information.</p>
Renovations	<p>Prepare the substrate accordingly to the notes under „Substrate“</p> <p>Renovations</p> <p>1 – 2x Diotrol Natural Oil Glaze, tinted</p>

**Dryin at 18 –
20°C (75% rel.
humidity)**

Dustfree after 2 – 4h
overcoatable after 8 – 10h
Dry after 48h

The stacking is depending on the temperature, air circulation, humidity and film thickness. In case of tannic acid and according to thickness of the layer, drying time can get reduced for a longer period (preliminary tests on a non-visible surface are recommended).

These data are largely depending on the weather and time of day light. When used for interior application take care of good room ventilation

**Cleaning of
tools**

Clean tools immediately after use White Spirit. Dried glaze is to be cleaned by placing the tools in a thinner, a brush holder or, if necessary, a pickling fluid.

Do-it-yourself

Translucent:
Diotrol Natural Oil Glaze can be tinted by addition of about 20% long oil resin mixture (solvent based) or colored oil paints.

Thixotropy

Diotrol Natural Oil Glazes are thixotropic.

Safety advice

Read safety data sheet.

Special advice

- Soaked cloth can inflame. Do not let them dry in coiled condition, spread them out on air properly or store them in an air tight metal-can.
- Keep away from sources of ignition.
- Avoid fire sources during work and do not eat any food.
- Immediately grease hands after washing.
- See Material Safety Data sheet for further information.

Remarks

These information are due to the current, technical know-how and are 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 manly 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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