

Diotrol Aqua Hydroperl UV

Nature-Based Coating – Full Protection for Exterior Walls

#80900

Description

With Diotrol Aqua Hydroperl UV, the wooden façade receives more than just a coat of paint – it gets a natural coating that uniquely combines beauty, protection and sustainability. The natural wood structure is fully preserved and particularly enhanced by the refined surface finish – **for an authentic, timeless look that gives façades true character.**

The water-based formula contains high-quality, naturally sourced oils from renewable raw materials, refined with natural waxes. The high proportion of oil and wax creates a natural beading effect that effectively protects the wood from moisture and significantly extends its service life. At the same time, state-of-the-art technology protects the wood from harmful UV radiation: micronised, mineral UV absorbers reliably shield both the surface and the coating from premature ageing. **The result: a durable, environmentally friendly wood protection with visible added value.**

Application area

Exterior Suitable for all types of wood outdoors, such as facades, boarding, soffits and timber framing.

Binder

Emulsion of selected, vegetable natural oils from renewable raw materials, natural waxes
Combination of high-quality UV absorbers

Active agents / Biocide

Propiconazole-IPBC as film protection agents

Note: In areas with constantly high humidity (floodplains, forests, green zones, swamps or zones rich in fog), the addition of the special film protection agent Diotrol Filmschutz ASR is recommended. Diotrol Filmschutz ASR is only added at the express request of the customer.

Solids

Approx. 20%, depending on pigmentation

Spec. Gravity

Approx. 1.02 – 1.06 kg/l, depending on pigmentation

Degree of gloss

Silk matt to silk gloss, the level of gloss may vary depending on the absorbency of the substrate and the application quantity.

Tints

Colorless

Collections: DP – Diotrol Plus, AW – Antikwood, HP – Hydroperl

Tinting in RAL and NCS on demand possible

Note: Diotrol Aqua Hydroperl UV colorless delays the natural greying of the facade. However, the process is not prevented in the long run.

Wood is a natural product. The colour shades may vary depending on the substrate, application or layer thickness.

Packaging 1L, 5L, 20L, 120L

Storage 12 months in appropriate, cool place in closed original packaging. Close packaging properly after usage. **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.
- Weathered and greyed wood must be treated with **#82500 Diotrol Degrayer**. 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.
- 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.
- Edges must be rounded to a radius of 2.5mm.

General information on old coatings

- 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 Diotrol Allclean** and slightly abrade the surface.
- Old acrylic coatings must be completely removed. Old oil-based coatings must also be completely removed due to the risk of blistering.

In order to assess the product practical, we recommend to create a sample beforehand.

Processing

Brush, roller, spraying device (protective clothing recommended), application device (machine application)

In case of a spray application, we recommend to level / smooth the surface with a brush.

Do not apply at outside temperatures below 10°C or above 30°C or at extreme humidity of more than 70%. Avoid direct sunlight.

When used indoors, ensure adequate ventilation.

Consumption 80 - 100 g/m² on planed, sanded spruce wood
May depend on the nature and absorbency of the substrate.

Dilution Ready for use.

Paint system On new timber, Exterior (outside)

2 – 3x Diotrol Aqua Hydroperl UV, tinted
apply directly on the surface

We recommend always carrying out a test and a sample area before starting work.

Maintenance	A refreshing coat is recommended when the hydrophobic effect wears off. Regular follow-up checks are therefore necessary.
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Drying at 18 – 20°C (at 50% rel. moisture)	• Over paintable after approx. 12 hours Depending on the temperature, the application quantity, the air humidity, ventilation and the surface's absorbency. Note: Drying may be delayed on hardwoods or very resin-rich woods. Note stacking When stacking we recommend using a separator sheet.
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Cleaning of tools	Clean with water immediately after use. Solve dry paint residues with nitro thinner or brush cleaner. Wash brush in lye to keep the bristles supple.
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Safety advice	Please read safety data sheet.
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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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