

HYDROTOP

Water-based wax-effect finishing treatment

3034-a January 2016

Description

Product: HYDROTOP is an acrylic-polyurethane water-based wax-effect finishing treatment, for protecting and enhancing wood. It is free from biocides.

Applications: for all types of wood both indoor and outdoor. Particularly recommended for external windows and doors. It should not be used indoors in extremely humid environments such as covered swimming pools, saunas, etc.

Certifications: EN 71-3 Toy safety. Migration of certain elements.

Protection: HYDROTOP protects wood from humidity and UV radiation.

Colours: 0 – colourless, 01 – oak, 04 – walnut, 27 – teak, 30 - birch, 32 - apricot, 51 - white.

Packaging: 0.750l - 2.5l - 5l in tins. By order only: 25l in tins.

Technical data

Specific weight: approx. 1.04 kg/l at +20 °C for transparent versions; approx. 1.25 kg/l, at +20 °C for the 51-white version.

Flash point: not applicable.

Viscosity: 150-200 s/DIN 53211, 4 mm at +20°C, according to the colour.

Gloss: silky.

Drying time: after 2-4 hours according to the type of wood, the quantity applied and the atmospheric conditions. In low temperatures and/or high humidity the drying time is prolonged proportionally.

Odour: very weak odour; odourless once dry.

Storage: 3 years in the original closed containers. Store at a cool temperature protected from frost. Close partially used tins carefully; if there is a particularly large air space transfer to smaller containers.

How to apply

General: mix the product well before using. Do not work at temperatures below +10°C (environment, surface or product).

Application systems: brush, spray (cup).

Surface preparation: the wood to be treated must be dry and free from dust and grease. Do not apply to wood with a moisture content over 18%. Remove any poorly anchored old paint or varnish. Clean any resinous areas or pockets on the surface with nitro thinner.

Application advice: outdoor wood should be pre-treated with a protective primer (e.g. HYDROGRUND PLUS), chosen on the basis of the degree of risk (see the technical specifications and follow the instructions closely).

Wood located in indoor environments does not normally need treating with protective primers, other than in particular situations such as when insect attack has been detected or for construction elements in damp environments or when exposed to water sprays, e.g. in showers, or when applied to starch-rich wood, typically from broad-leaf trees, for example abachi, limba, ramin, oak sapwood.

If used on outdoor doors and/or windows we recommend using AQUALIGNEX I or HYDROGRUND PLUS as a primer.

If it is to be used on wood rich in tannin, such as oak, hemlock, iroko, etc., particularly with white or a light colour, we recommend using HYDROTOP PRIMER (see the technical specification).

If large surfaces or highly absorbent types of wood are to be treated using a brush, moisten the wood with a damp sponge before application. To avoid leaving re-start marks, apply the product in the direction of the grain. End-grain wood should be treated with more coats of HYDROTOP to reduce water-absorption as much as possible.

Metal fixings (nails, screws, hinges etc.) used on the surface to be treated and other metal parts that may come into contact with the product must be in a corrosion-resistant material.

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Recommended treatments:

- New outdoor wood with dimensional stability	1-2 x Hydrogrund Plus 1-2 x Aqua Lignex I 1-2 x HYDROTOP, with intermediate sanding down (280 grain).
- New indoor wood	1-2 x HYDROTOP, according to the degree of finishing required (if using 2 coats, sand down between them, 280 grain).
- Restoration of outdoor wood with partial or total dimensional stability	Remove any existing paint or varnish that is not well bonded to the surface; clean and sand down the surface to improve adhesion. Then 1-2 x HYDROTOP, with intermediate sanding down (280 grain). If the wood has been restored as new, follow the instructions for new wood.
- Restoration of indoor wood with partial or total dimensional stability	Remove any existing paint or varnish that is not well bonded to the surface; clean and sand down the surface to improve adhesion. Then 1-2 x HYDROTOP, according to the state of the surface and to the degree of finishing required (if using 2 coats, sand down between them, 280 grain). If the wood has been restored as new, follow the instructions for new wood.

Colourless HYDROTOP does not contain any pigments and therefore does not provide UV radiation protection. It is therefore advisable to use this outdoors only as a top coat on coloured paint or to lighten dark shades. The effect of individual colours will vary with the type of wood and therefore it is always advisable to do a test application. It is always advisable to check the state of the paint regularly, particularly when applied to items with a south-west exposure and, if necessary, perform maintenance.

Consumption: approx. 10 m²/l per coat.

Dilution: HYDROTOP is ready to use with a brush. If necessary, dilute with water.

Over-painting: in normal conditions it can be sanded down and over-painted after 4 hours.

Tool cleaning: with water immediately after use.

Special instructions

Even when using products low in hazardous substances, the usual precautions should be taken for working with paint. Always ensure adequate ventilation. Cover electrical switches and cables properly to avoid short circuits.

We recommend using silicone rubber seals for window and door fittings. When cleaning surfaces painted with HYDROTOP, do not use alcohol or solvent-based products or those that are acidic or alkaline. Use only water with neutral soap or light, neutral detergents. Do not let the product pollute water courses and drainage water that may penetrate the soil.

Water hazard class: WGK 1 low hazard (self-classification).

VbF classification: not classified.

ADR/RID: not applicable.

The above instructions are consistent with the most recent information on the development and use of our product. Because we have no control over the onsite use and application of the product, we may only be held liable for the quality of the product as supplied. If in doubt please contact our technical consultancy service.