

## HYDROTOP AIRLESS NEW

Long-lasting finishing treatment for wooden windows and doors

3038-a January 2016

### Description

**Product:** HYDROTOP AIRLESS NEW is an airless thixotropic water-based acrylic treatment, free from active ingredients, for the protection and enhancement of wood. It is intended mainly for use in industrial and artisan sectors.

**Applications:** for all types of wood both indoor and outdoor. Particularly recommended for external windows and doors.

**Protection:** HYDROTOP AIRLESS NEW protects wood from humidity and UV radiation. Contains UV absorbing filters.

**Colours:** 00-colourless, 30-birch, 32-apricot, hazelnut

**Packaging:** 5l - 25l in tins. Packaged in 200l metal drums on request.

### Technical data

**Specific weight:** approx. 1.04 kg/l at +20 °C.

**Flash point:** not applicable.

**Dry residue:** 38.0 ± 2 %

**Viscosity:** thixotropic.

**Gloss:** 25 gloss (60°)

**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:** 1 year. 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:** spray (airless, airmix, electrostatic systems, 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 15%. 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 suitable protective primer (e.g. HYDROGRUND PLUS), chosen on the basis of the degree of risk, to protect it from attack by animal and/or vegetable parasites (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 a solvent-based protective primer for difficult wood has been chosen, before applying the following coat, check that the solvent has completely evaporated and that the binder is perfectly dry.

If used on outdoor doors and/or windows we recommend using Hydrodip New coloured. The best results can be obtained by applying 2 coats of HYDROTOP AIRLESS NEW, sanding down between coats with 280 grain paper. It is also possible to apply a single coat of approximately 300 – 400µm wet. For complete overnight drying do not apply more than 300µm wet.

End-grain wood should be treated with more coats of HYDROTOP AIRLESS NEW to reduce water-absorption as much as possible or the impregnating treatment can be followed by an end-grain wood sealant.

For application on broad-leaf wood that is particularly rich in extracts, such as oak, hemlock, chestnut, iroko etc., use HYDROTOP PRIMER colourless as an intermediate coat. On wood from particularly resinous conifers such as pine and larch, resin-escape cannot be prevented.

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 spray gun settings

- Airless:	Material pressure: 100-200 bar; Nozzle: 11 – 13
- Airmix:	Nozzle: 11 - 13 Material pressure 80 – 110bar Air pressure 1 – 2 bar
- Cup	Nozzle: 2 – 2.5 mm

### Recommended treatments:

- New outdoor wood	<p>1 x HYDROGRUND PLUS 1 x HYDRODIP NEW, coloured 1 x HYDROTOP 2004 intermediate primer S (spray), about 120 – 150 µm wet, with intermediate sanding down (280 grain), or flow-coating. 1 x HYDROTOP AIRLESS NEW (max: 200 - 300 µm wet).</p> <p>or</p> <p>1 x HYDROGRUND PLUS 1 x HYDRODIP NEW, coloured 2 x HYDROTOP AIRLESS NEW (about 140 - 160 µm wet, per coat, with intermediate sanding down, 280 grain).</p> <p>or</p> <p>1 x HYDROGRUND PLUS 1 x HYDRODIP NEW, coloured, with intermediate sanding down (280-320 grain). 1 x HYDROTOP AIRLESS NEW (about 300 µm wet)</p>
- New indoor wood	<p>1 x HYDROTOP intermediate primer S (spray), about 100 – 150 µm wet, with intermediate sanding down (280 grain). 1 x HYDROTOP AIRLESS NEW (max: 200 - 300 µm wet).</p>
- Restoration of outdoor wood	<p>Remove any existing paint or varnish that is not well bonded to the surface; clean and sand down the surface to improve adhesion. Then HYDROTOP AIRLESS NEW, 1 or 2 coats (see treatment for new outdoor wood).</p> <p>If the wood has been restored as new, follow the instructions for new wood. If a brush is used for restoration, after suitable surface preparation: 2 x HYDROTOP (see the technical specification).</p>
- Restoration of indoor wood	<p>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 AIRLESS NEW, according to the state of the surface and to the degree of finishing required (if using 2 coats, sand down between them, 280 grain).</p> <p>If the wood has been restored as new, follow the instructions for new wood. If a brush is used for restoration, after suitable surface preparation: 2 x HYDROTOP (see the technical specification).</p>

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\* A 2-coat application is strongly recommended for use on wood with large pores, such as oak, iroko, mahogany, teak, cedrela, etc. Only if working on a flat surface, it can sometimes be useful to dilute the first coat with a maximum of 5% water.

HYDROTOP AIRLESS NEW colourless does not contain pigments. Therefore, it is advisable to use it 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. We recommend checking the state of outdoor paint 2 years from application, particularly for items with south-west exposure.

**Consumption:** about 4.5 - 5.5 m<sup>2</sup>/l per coat, if 2 coats are applied; 2.5 - 4 m<sup>2</sup>/l for single coat application.

**Dilution:** HYDROTOP AIRLESS NEW is ready to use. If necessary, dilute with water in the following proportions:

- Airless / airmix : max 2%

- Cup: 3 %

Remember that any dilution will lower the drip threshold.

**Over-painting:** the prescribed thicknesses can be sanded down and over-painted after 5 – 6 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 AIRLESS NEW, 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 1 (WGK2), self-classification: low hazard.**

**European waste catalogue: 08 01 12 waste paint and varnish, other than those included in item 08 01 11**

**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.*