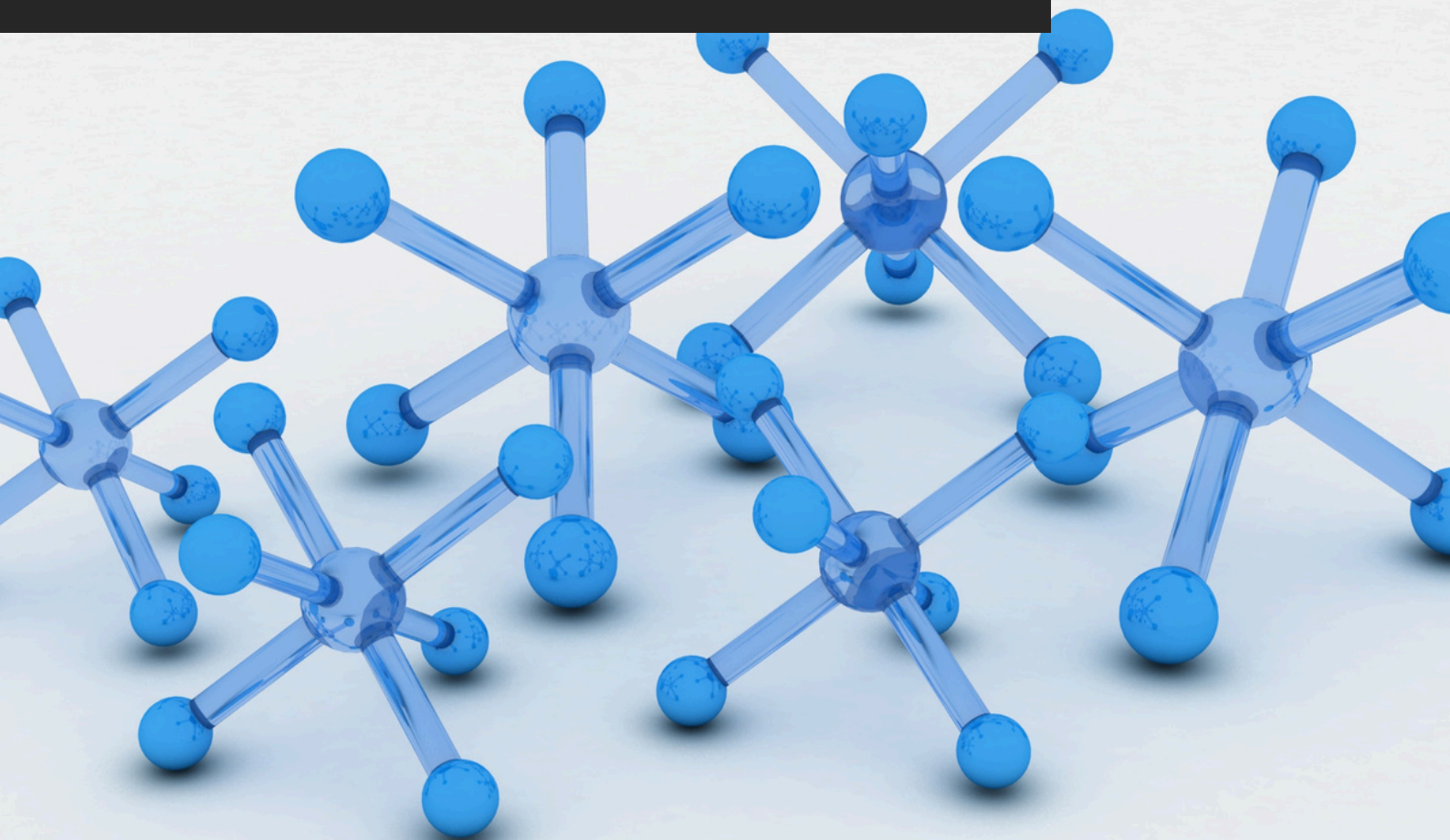


TDS_619

GREEN HYDRO VARNISH

TECHNICAL DATA SHEET

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Green Hydro Varnish_TDS_619_2025_v1.0_EN

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more about our products
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TECHNICAL DATA SHEET

GREEN HYDRO VARNISH

General-purpose waterbased wood impregnation varnish.

Main Features:

1. Water-based resin system for safe, low-odor application.
2. Penetrates deeply into wood fibers for improved durability.
3. Enhances natural wood color and grain without heavy film build.
4. Reduces cracking, swelling, and deformation caused by humidity.
5. Breathable formula prevents peeling and blistering.
6. Suitable for both softwoods and hardwoods.
7. Easy to apply with brush, roller, or dipping.

Applications:

1. General-purpose wood varnish.
2. Interior and exterior wooden furniture.
3. Doors, frames, trims, and decorative wooden surfaces.
4. Pergolas, fences, sheds, and outdoor garden wood.
5. Workshop and carpentry wood preparation.
6. DIY wood projects.

Technical Specifications & Typical Values

Binder Type	Acrylic
Colour	Available in clear (varnish) state and 28 natural shades upon request .
Diluent	Water
Density at 22°C (ISO 2811)	1.12 Kg/L
Solids %w/w	~ 45 % *
VOC (2004/42/EC)	30 g/L – (A/i/SB) One-pack performance coatings - VOC compliant
Dry film thickness (2 coats) (ASTM D6132-13(2017))	81 µm

*depending on the tinting base

**depending on surface absorption, tinting base & application method

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Technical Specifications & Typical Values

Method	Paint brush, roller or spray gun
Coverage per coat	8-10 sqm/L**
Recoatibility	4-6 hours
Shelf life	12-24 months
Touch Dry Time at 22°C	20-40 min
Dry Through Time at 22°C	4-6 hours
Ambient air temperature	min. +10°C / max. +40°C
Relative air humidity	55-60 % max.
Curing time	Note: Times are approximate and will be affected by changing ambient and substrate conditions, particularly temperature and relative humidity.

*Depending on the tinting base

**Depending on surface absorption, tinting base & application method

***Drying times are temperature, humidity, and film thickness dependent

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GREEN HYDRO VARNISH preparation:

Substrate quality & preparation:

1. The substrate must be cured, solid, clean, dry and free of all contaminants such as dust, dirt, oil, grease, surface treatments, etc.

GREEN HYDRO VARNISH preparation:

In general use dilute with water by 10%

In the case of spray gun application, dilute with water by 10%

Important application remarks:

1. Untreated substrate defects could lead to reflective coating defects and reduced performance.
2. Tool cleaning right after use with soap and water, always following the local HSE rules.

Packaging:

Metal can of:

0.75-L

2.5-L

10-L

Storage:

Shelf life: 12-24 months from the date of production, in original unopened packaging in a cool and dry condition between +5°C and +35°C. Protect from direct sunlight, heat, temperature extremes, and moisture. Failure to comply with the recommended storage conditions may result in premature deterioration of the product packaging and which may cause inconsistent workability, finish and cure times of the material.

Health, Safety & Environment:

Read the product label carefully before use. The Technical Data Sheet should be read in conjunction with the Safety Data Sheet.

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General-purpose waterbased wood impregnation varnish.

Paint System

Contact Akteon Paints for case-by-case recommendations at: contact@akteonpaints.com or visit www.akteonpaints.com

Disclaimer: The information contained in this publication is based on our scientific knowledge, laboratory studies and long-term experience. Therefore, the information provided must be considered indicative and subject to constant review in relation to the circumstances and each practical application. This information is for use by technically skilled persons at their own discretion and risk. The user alone has the responsibility to ensure that existing laws and legislation are observed when using the products.