

# HydRo Treppenlack Plus

## Technical data sheet

**Characteristics:** Low-pollutant and NMP-free water-based colourless coating material to finish wood surfaces. **HydRo Treppenlack Plus** is characterised by its excellent grain enhancement. Furthermore, the product has a very good stability on vertical edges and can be applied both as a single component and, after addition of hardener, as a two-component varnish. A perfect result can only be achieved by carrying out the following instructions.

**Area of application:** Suitable for sealing woods for stair construction. Can also be used for refinement of woods that are used for furniture and for interior fitting.

**Substrates:** Dry, clean, resin-free and sanded wood. If stained, perfectly dry and clean surfaces. In case of tannin-containing woods such like e.g. oak we recommend applying a priming coat with **HydRo Möbel Isoliergrund** in order to avoid any tannin reaction.

**Hardener:** **HydRo Härter**  
 After the hardener has been added, the lacquer-hardener mixture must react for 15 minutes, as the viscosity increases temporarily. If necessary, adjust the application viscosity afterwards by adding approx. 5-10% water.

**Mixing ratio:** **10** units lacquer : **1** unit hardener by weight or by volume  
 Pot life: Max. 4 hours at 20°C/65% relative air humidity  
 Exceeding the Pot life may cause surface defects.  
Attention: Higher material and ambient temperatures reduce the pot life.

**Processing:** **HydRo Treppenlack Plus** can be applied by roller or brush as well as by spraying (gravity spray gun, Airless, Airmix).

Coating system A – application by roller or brush:

Apply three times **HydRo Treppenlack Plus** by roller or brush (applied quantity approx. 120 ml/m<sup>2</sup> per operation). Allow a drying time of approx. 2 hours after first coating and 3-4 hours after intermediate coating.

Intermediate sanding with grain 100-120 before applying the finishing coat. If the duration of intermediate drying exceeds 24 hours, it's necessary to sand intermediately.  
 Total consumption: approx. 320 to 350 ml/m<sup>2</sup>.

Coating system B – application by spraying:

Application :	Airless	Airmix	Gravity spray gun
Spray pressure:			----
Air pressure:	60 - 80 bar	50 - 60 bar	
Nozzle size:	----	1.0 – 1.5 bar	2.5 – 3.5 bar
Application viscosity:	0.22 – 0.33 mm	0.22 – 0.33 mm	1.8 – 2.0 mm
	approx. 45 - 55 s/4 mm	approx. 45 - 55 s/4 mm	approx. 45 - 55 s/4 mm

Please turn over!

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Depending on the spray gun in use, deviations concerning spray pressure, air pressure and nozzle size can occur.

The temperature for application should not fall below 15°C. This also applies to the substrate as otherwise no sufficient film build can be guaranteed.

**HydRo Treppenlack Plus** is applied 2-3 times with intermediate sanding with grain 220-320.

- Dilution:** **HydRo Treppenlack Plus** is ready for use, and can be thinned with water if necessary.
- Spreading rate:** Applied quantity: Approx. 100-120 ml/m<sup>2</sup>.  
Approx. 8-10 m<sup>2</sup>/l per layer depending on the absorptivity of the wood and the mode of application.
- Drying time:** At 20°C ambient temperature and max. 65% relative air humidity: approx. 2 hours  
The drying time can be cut by forced drying (max. 50°C).
- Gloss level:** 4 = semi-matt
- Primer and topcoat:** **HydRo Treppenlack Plus** is used as priming coat and topcoat.
- Cleaning of tools:** Clean tools immediately after use with water. Use **Waschlöser Nr. 52** to remove dried paint residues.
- Storage:** **HydRo Treppenlack Plus** can be stored for 2 years in unopened original container. Store **HydRo Treppenlack Plus** in cool, frost-free places. Tightly close opened containers. In case of big ullage in the can fill the product in a smaller container (but do not use tin cans because of corrosion risk).
- Special remarks:** Even if surfaces coated with **HydRo Treppenlack Plus** are dry and stackable after a short time, the requested chemical and mechanical resistance is only achieved after a curing time of 10 to 14 days (20°C/65% relative air humidity).
- Tested according to:  
**DIN 53160-1/-2:** Saliva and sweat resistance.
- Please consider:** The product and the recommendations in this technical data sheet correspond to today's state of the art. Our oral and written application recommendations, that are based on years of experience and provided to the best of knowledge, are non-committal and do not establish a contractual relationship and secondary obligation of the sales contract. They do not release the user from his obligation to verify on his own responsibility the existing substrate and the suitability of our products for the intended purpose. In case of doubt, suitability and spreading rate are to be tested by creating a sample. If our products are combined or intermixed with third-party products, we cannot guarantee a perfect surface finish.  
Our general terms and conditions apply.

This technical data sheet replaces all previous versions.

Edited 08/20