



HydRo Möbellack Compact 1K / 2K

Technical Information

Characteristics: Colourless, water-based polyurethane acrylate dispersion. **HydRo Möbellack Compact 1K / 2K** can be used as one-component or as two-component varnish after adding the hardener.

A perfect result can only be achieved by carrying out the following instructions.

Area of application: For an economic and resistant refinement of woods that are used in furniture construction and in the contract sector. In combination with **HydRo Härter**, **HydRo Möbellack Compact 1K / 2K** is characterized by an excellent transparency and filling power. In case of light stained, tannin containing woods such as oak, we recommend to prime the substrate with **HydRo Parkettgrund** in order to avoid any reaction with tannins.

Substrates: Dry, clean and resin-free wood, and if it had been stained: a perfectly dried and clean substrate surface.

Hardener: **HydRo Härter**

Mixing ratio: 10 units lacquer : 1 unit hardener

Pot life: Max. 2.5 hours at 20°C/65% relative air humidity.
Attention: Higher material and ambient temperatures reduce the pot life.

Processing: **HydRo Möbellack Compact 1K / 2K** must be stirred thoroughly before every application. After addition of hardener allow the mixture to react for about 15 minutes because of a short-term increase in viscosity.

Application:	Airless	Airmix	gravity spray gun
Spray pressure:	80 - 140 bar	60 - 100 bar	----
Air pressure:	----	1.0 – 2.5 bar	2.0 – 3.5 bar
Nozzle size:	0.23 – 0.33 mm	0.23 – 0.33 mm	1.6 – 2.0 mm
Spray viscosity:	20-40 s/4 mm	20-40 s/4 mm	20-40 s/4 mm

Depending on the spray gun in use, deviations concerning spray pressure, air pressure and nozzle size may occur. The temperature for application should not fall below +15°C. This also applies to the substrate as otherwise no sufficient film formation can be guaranteed.

Dilution: **HydRo Möbellack Compact 1K / 2K** is ready for use. As the viscosity increases due to the added hardener, it is possible to add approx. 10-20 % of water to thin the mixture.

Spreading rate: Applied quantity: Approx. 80-120 ml/m².
Approx. 6-8 m²/l per layer, depending on the absorptivity of the wood and the application method.

Drying time: Depending on the application method and the applied quantity at room temperature: (20°C/65% relative air humidity):
- dust dry after approx. 15-20 min
- set to touch after 30-40 min
- sandable and recoatable after 1-1.5 hours

Please turn over!

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- Gloss level:** 3 = satin-gloss, 4 = semi-matt, 45 = matt,
- Primer and topcoat:** **HydRo Möbellack Compact 1K / 2K** is used as primer and as topcoat. If the surface is intended to resist higher stress we recommend applying three layers of **HydRo Möbellack Compact 1K / 2K**.
- Cleaning of tools:** Clean tools immediately after use with water. Cured varnish residues can be removed with **Waschlöser Nr. 52**.
- Storage:** Storable for at least 2 years in originally closed containers.
Store **HydRo Möbellack Compact 1K / 2K** in a cool area, but do not store or transport it at a temperature below +6°C. Opened containers must be closed tightly. In case of big ullage in the container fill the product in a smaller container (don't use a tin because of corrosion risk).
- Special remarks:** Even if surfaces treated with **HydRo Möbellack Compact 1K / 2K** are dry and stackable after a short time, the required chemical and mechanical resistance is only achieved after a curing time of 5-7 days (20°C/65% relative air humidity).
- Tested according to:
DIN EN 71-3: Safety for children toys (heavy metal migration).
- 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 inter-mixed 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.

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