ROSNER
professional wood coatings

# HydRo Plast PU

## Technical data sheet

**Characteristics:** Water-based, colourless 1K multilayer paint with self-crosslinking properties, very good lightfastness and good grain enhancement that is very easy to apply.
A perfect result can only be achieved by carrying out the following instructions.

**Application area:** For a durable finish of woods used for furniture and interior fitting as well as in the contract sector, especially in staircase construction

**Substrates:** Dry, clean, resin-free and sanded wood and, if stained, perfectly dry and clean surfaces.

**Application:** **HydRo Plast PU** can be applied by roller or brush as well as by spraying (gravity spray gun, Airless, Airmix):

| Application method: | **Airless** | **Airmix** | **Gravity spray gun** |
|---|---|---|---|
| Spray pressure: | 100 - 140 bar | 60 - 100 bar | ---- |
| Air pressure: | ---- | 2,5 - 3,0 bar | 2,5 - 3,5 bar |
| Nozzle size: | 0,28 - 0,33 mm | 0,28 - 0,33 mm | 1,8 - 2,0 mm |
| Application viscosity: | approx. 30 - 40 s/6 mm | approx. 30 - 40 s/6 mm | approx. 30 - 40 s/6 mm |

Depending on the spraying device used, deviations regarding spraying pressure, air pressure and nozzle size are possible.
The application temperature should not fall below +15°C; this also applies to the substrate, otherwise proper film build cannot be guaranteed.

**Dilution:** **HydRo Plast PU** is ready for use, but can be thinned with up to 3% water, if necessary.

**Spreading rate:** Applied quantity: approx. 100-130 ml/m² per operation,
Approx. 7-10 m²/l per layer depending on the absorptivity of the wood and on the application method.

**Drying time:** At 20°C room temperature and max. 65% relative humidity:
- dust dry after approx. 20-30 minutes.
- sandable and recoatable after approx. 2 hours.

**Primer and finishes:** **HydRo Plast PU** is used as primer and topcoat.

**Cleaning of tools:** Clean tools immediately after use with water. Dried paints can be removed with **Waschlöser Nr. 52**

**Storage:** For at least 2 years in the unopened original container. Optimum storage conditions between +5°C and +25°C. Avoid direct sunlight and short-term exposure to frost. Differing storage conditions can lead to undesirable properties of the product. Close opened containers tightly. If the headspace in the container is too large, transfer the product into a smaller container (do not use metal containers because of the risk of corrosion).

Please turn over!


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**Special notes:**

Even if surfaces treated with **HydRo Plast PU** are dry and stackable after a short time, the required chemical and mechanical resistance is only achieved after a curing time of 10 to 14 days (20°C/65% relative humidity).
Only use corrosion-free tools!
Always cover water-based paints airtight; otherwise, there is a risk of skinning. Use a strainer to remove dried paint particles, dirt, etc.
Do not discharge water-based paint residues and sludge into the sewage system!

Tested according to:
**DIN EN 71-3:** safety of toys (migration of certain elements)
**Baubook** compliant (ecological and sustainable building; product index 9553 ac under www.baubook.at/zentrale).
**DIN 53160-1/-2:** Saliva and perspiration resistance.
**DIN EN 16165:2023-02, Annex B:** (Determination of slip resistance of pedestrian surfaces): R9*

**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.

*A non-professional maintenance can have a negative effect to this result

This technical data sheet replaces all previous versions.

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