



## WOOD ALKYD PAINT – TWO-COMPONENT GLOSSY POLYURETHANE COATING FOR WOOD ( PUW • 200

**Product description:** This is a two-component paint based on acrylic resin - aliphatic isocyanate to cover wooden surfaces such as top colors and coatings. It is transparent (Killers).

**Application:** This coating is used to protect wooden surfaces that are very sensitive. A distinctive feature of this the coating has excellent adhesion to the surface, hardness, good flexibility and great gloss. It has good resistance against abrasion, oil secretions, vegetable and animal oils, weather conditions and chemical, acidic, alkaline and neutral conditions. It also has good resistance to ultraviolet radiation.

**Technical data:**

Specification	Details	EN Standard	ASTM Standard
Sheen (Gloss Level)	white and colored	EN ISO 2813	D523
Solids by Volume %	30 ± 2	EN ISO 3251	D2369
Solids by Weight %	55 ± 2	EN ISO 3233-1 / 3233-2	D2697
Density / Specific gravity g/cm <sup>3</sup>	0.9 - 1.1 gr/cm <sup>3</sup>	EN ISO 2811	D1475
Mixing Ratio	Depending on different shade		
Shelf Life Typically, 12-24 months	12 months		
Dry Film Thickness (DFT) μm	30 - 40 μ	EN ISO 2808	D7091
Wet Film Thickness (WFT) μm	120 - 130 μ	EN ISO 2808	D4414
Hardening mechanism	Solvent evaporation	EN ISO	D
Surface Drying Time	max 40 min	EN ISO 9117-3	D1640
Complete Drying	max 6 hour	EN ISO 9117	D1640
Final Hard Dry	7 days	EN ISO 9117-5	D1640

The drying time depends on the thickness of the applied film, the ambient temperature, the humidity of the environment and the wind flow. All information in this catalog is based on dry film thickness in laboratory conditions.

**Environmental Conditions:**

The place of execution should be away from dust and moisture.

**Equipment Used:**

**Airless spray:**

Nozzle diameter: 0.15 - 0.21 inches,

Output pressure: minimum 141 air spray times

**Air spray:** Nozzle diameter: 1.8 - 2 mm,

Nozzle pressure: 2 - 4 times

**Surface Preparation:**

In order to prepare wooden surfaces, you can first use sander and after sanding the sealed wood, use killer and nitrocellulose putty and then apply shiny alkyd polish.

**Method of Applying:**

- Clean all equipment with recommended thinner before use.
- According to the mixing ratio, add the second component to the first component. Continue mixing for 5 minutes.
- Note: Considering that the storage time of the mixture (Pot life) is limited
- Avoid mixing more than the required amount.
- Note: The best time to apply the coating is 20-30 minutes after mixing there are two components.
- For application with air spray, 5% thinner is recommended and for airless spray, 3-5% thinner is recommended.
- Each coloring pulse must be used in parallel. So that Her pulse covers 50% of the painted surface with the right angle.
- If it is necessary to use polyurethane layers again, at least 2 and maximum 6 hours should be opened between the layers.
- To ensure the desired thickness, corners, sharp edges, rivets and uneven parts should be covered again.
- If the recoating time is prolonged and needs to be increased the thickness of this coating, the desired surface should be prepared with soft sandpaper for execution.
- Wash all equipment immediately after use.

**Safety Tips:** This cover is flammable and should be kept away from flame and heat. Also, the operator is obliged to study and comply with the MSDS conditions of this product, use a special mask and safety gloves while using it, and perform the operation in an environment with proper ventilation.

**packing:** Quart (Metal can) - Gallon (Metal can)

**Storage Conditions:** It should be stored in an open space and away from direct sunlight at a temperature of 5-35 °C. Our guarantee is the storage time of the product for five years.

**Considerations:** The available information is based on our technical knowledge and laboratory research, but since the conditions and methods of application are different and out of reach, we do not guarantee the results of it.

**LEGAL NOTES :** : The information contained in this Technical Data Sheet is based on laboratory testing and practical experience. Actual performance may vary depending on substrate condition, application method, and environmental conditions. Users should test suitability before large-scale application.

**Head Office :** Building No.15 , Qasimlu Street 40, Shahidan Zargata Quarter 24, Zone 1, Sulaymaniyah 46001, Iraq

**Factory :** Tanjaro Industrial Area – Sulaymaniyah – Iraq