

PU LACQUER PUL-91

No. TD : P-439
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PU LACQUER PUL-91, Non-yellowing 2K PU lacquer solvent based designed for wooden interior furniture and housing component

FEATURES

- Excellent weathering resistant.
- Hard but flexible.
- Good leveling and smooth surface.
- Fast dry and easy to use
- House-hold chemical resistant.
- Can be buffing (if necessary).
- Formaldehyde free.
- Imported hardener from Bayer®- Germany with free-isocyanate content less than 0.5%.

PRODUCT SPECIFICATION

Type : 2K PU alkyd polyol
Appearance : Clear

<u>A Component:</u> PUL-91	Appearance	Gloss Level (%)	Solid Content (% NV, w/w)	Viscosity (sec/Din cup 4, 30°C)	Specific Gravity (g/cc)
Color Gloss	Clear	>90	33 ± 1	25 ± 5	0.96 ± 0.02
Semi Gloss	Milky	50 - 60	37 ± 1	60 ± 5	0.98 ± 0.02
Color Dof	Clear	10 - 20	37 ± 1	60 ± 5	1.00 ± 0.02
<u>B Component:</u> Hardener PUH-91	Clear	-	55 ± 1	52 ± 5 (Din cup 2)	0.95 ± 0.02

Flash Point
Packing

A Component
: 27°C
: 0.8 L in steel can
: 4 L in steel gallon
: 20 L in steel pail

B Component
: 26°C
: 0.2 L in steel can
: 1 L in steel can
: 5 L in steel gallon

APPLICATION

Application condition : 25 - 30°C, 40 - 60% RH
Application method : Spray
Substrate / undercoat : Wood / PUSS-91
Mixing ratio by weight : A : B : Thinner = 4 : 1 : 2 - 3
Thinner : THINNER POLYURETHANE MD
Application viscosity (NK 2, 30°C) : 9 - 10 sec by spray
Pot life of mixture : 6 - 8 hours at 30°C
Coating Amount (wet) : 100 - 120 g/m² of mixture per coat
Theoretical coverage : 3.8 m²/L-set by spray at ca 100 g/m² (efficiency 40%)

FILM PROPERTIES

Drying time (min, 30°C)

- Dust Free : 5 - 10 minutes
- Tack Free : 60 - 80 minutes
- Hard Dry : Overnight

Note : 1. Apply on black unsaturated polyester panel at CA = 100 g/m²

- Re-coating time : Wet on dry = after 4 - 6 hours
- Stacking time : After 16 - 17 hours
- Packing time : After 72 hours
- Adhesion on PUSS-91 : GT = 0 - 1

OTHERS

- Shelf life : Five years both of A component and B component if stored in cool and dry condition and in original sealed can.
- Storage and handling : Avoid B component from heat and humidity. Store in cool storage and in good ventilation room.

SURFACE PREPARATION

- If necessary use IMPRA wood filler to fill wood pores. Sand all wood surfaces with sand paper no. 240. Remove all sanding dust.
- Use IMPRA wood stain for staining the wood.
- Use **PU Sanding Sealer PUSS-91** as base coat.

APPLICATION INFORMATION

- Apply **PU Sanding Sealer PUSS-91** (mixing ratio A:B:Thinner = 4:1:2-3 by volume) with coating amount 100 - 120 g/m² by spray. Let it dry for 2-3 hours. Sand with sand paper no. 400. Repeat process for the second coat or third coat.
- Apply **PU Lacquer PUL-91** (mixing ratio A:B:Thinner = 4:1:2-3 by volume) with coating amount 100 - 120 g/m² by spray. Let it dry for overnight.
- Topcoat available in clear gloss (90 sheen), semi gloss (55 sheen) and clear dof (15 sheen).
- Stir well A component before use.
- A and B component and Thinner should be mixed properly and stir thoroughly with agitator.
- Close cap of B component tightly after use.
- Good ventilation in working area is suggested.
- Keep out of reach of children.

RECOMMENDED COATING SYSTEM

No.	APPLICATION STEP	PRODUCT	RECOMMENDED COATING
1	Stain	e.g. WS 162 B COLOR	1 x
2	Base Coat	PUSS-91	1 - 2 x
3	Top Coat	PUL-91	1 x

SAFETY PRECAUTION

This product contains aromatic solvent. It does not contain formaldehyde or heavy metals. Avoid contact with the skin and eyes. Wear suitable protective clothing such as working suit, goggles, masks, and safety gloves. Use barrier cream.

This product is flammable. Keep away from fire and direct sunlight. Use only explosion proof equipment. Do not breathe the vapor of spray. Avoid contact with strong oxidizing agents and water.

For more information, please refer to our safety data sheet.

FIRST AID

- Eye contact : Rinse immediately with plenty of water for at least 15 minutes; seek medical advice.
- Skin contact : Wash with soap and water. If irritation occurs, seek medical advice.
- Ingestion : Provide symptomatic treatment and seek medical advice.
- Inhalation : Remove person to fresh air. Keep patient rested and give artificial respiration.

