

ULTRAN POLITUR P-01

No. TD : P-005
Revision : 00
Effective Date : 05/10/2021

ULTRAN P-01 is a high quality politur based on modified urethane resin which is designed to provide good flow, easy to apply and good adhesion on substrate. This product is ideal for the protection and decoration of interior housing component. It shows the transparent color and used as a base coat which is to be top coated with ULTRAN POLITUR P-01 CLEAR GLOSS or CLEAR DOF.

PRODUCT SPECIFICATION

Type : Modified urethane resin

ULTRAN P-01	Appearance	Gloss Level (%)	Solid Content (NV, w/w)	Viscosity (30°C) sec	Specific Gravity
COLORS	Colored Liquid	70 - 80	23 ± 2 %	13 ± 2 (Din 4)	0.83 ± 0.02 g/cc
CLEAR GLOSS	Clear	80 - 90	28 ± 2 %	13 ± 2 (Din 4)	0.84 ± 0.02 g/cc
CLEAR DOF	Milky	10 - 20	28 ± 2 %	15 ± 2 (Din 4)	0.87 ± 0.02 g/cc

Flash Point : 23°C
Packing : 1 lt. in steel can

APPLICATION

Application condition : 25 - 35°C, 60 - 80%RH
Application method : Brush or air spray
Substrate : Kamper or other wood
Thinner : THINNER ULTRAN POLITUR
Thinning ratio by volume : Thinner is used if necessary
Application viscosity (30°C) : 11 – 15 sec Din 4 by brush spray
Pot life of mixture : N/A
Coating Amount (wet) : 60 - 70 g/m² of mixture per coat
Theoretical coverage : 14 m²/lt. at ca 60 g/m²

FILM PROPERTIES

Drying time (at 30°C, RH = ± 80%)

- Dust Free : 10 - 15 minutes
- Tack Free : 2 - 3 hours

Recoating time : wet on dry = after 4 - 5 hours

Adhesion on Meranti : GT = 0 - 1

Resistance to

- | | | | |
|--------------------------------|--------|----------------------|--------|
| ▪ Water | : Fair | ▪ QUV 500 hours | : Fair |
| ▪ Ethyl Acetate: Butyl Acetate | : Bad | ▪ Yellowing | : Fair |
| ▪ Acetone | : Bad | ▪ Blocking 2 Psi | : N/A |
| ▪ Alcohol | : Bad | ▪ Hot and Cold Check | : N/A |
| ▪ Weather | : Fair | ▪ Abrasion | : N/A |

OTHERS

Shelf life : Three years if stored in cool and dry condition in original sealed can.
Storage and handling : Store in good ventilation room temperature.

SURFACE PREPARATION

1. The surface must be clean, dry, and free from oil.
2. Remove oil, grease, or dirt with solvent or appropriate method (wire brush, steel wool, or sand paper no. 120 - 150 for Oak wood, no. 150 - 180 for Rubber and Ramin wood, and no. 180 followed by 240 for Cherry wood).
3. For close pore finishing it is necessary to use wood filler.

APPLICATION INFORMATION

1. Mix well the **ULTRAN P-01** before use it.
2. Apply even coat of **ULTRAN P-01** by spray or brush at coating amount 60 - 70 g/m².
3. Sand the surface lightly with sandpaper no. 400 after dry 4 - 5 hours.
4. Apply another even coat of **ULTRAN P-01**.
5. To obtain glossy or doff performance, another coat of **ULTRAN POLITUR P-01 CLEAR GLOSS** or **CLEAR DOF** can be applied.

RECOMMENDED COATING SYSTEM

No.	APPLICATION STEP	OPEN PORE SYSTEM		CLOSE PORE SYSTEM	
		PRODUCT	REC. COAT	PRODUCT	REC. COAT
1	Filling Pore	-	-	IMPRA WF-115	1x
2	Base Coat	ULTRAN P-01	2x	ULTRAN P-01	2x
3	Top Coat	ULTRAN P-01 CLEAR GLOSS/DOF	1x	ULTRAN P-01 CLEAR GLOSS/DOF	1x

SAFETY PRECAUTION

This product does not contain formaldehyde. Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks, and solvent resistance gloves. Use barrier cream. This product is flammable. Do not smoke. Use only explosion proof equipment. Do not breathe the vapor of spray. Avoid contact with strong oxidizing agents and water.

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

DISCLAIMER

This document contains information issued based on the best and latest of Propan's knowledge in accordance to laboratory testing and practical application experience. The end user must test the product's suitability for their specific application and purpose. Propan shall not be liable for defects where the application of the Product has not been made fully in accordance with the recommendations and requirements. This document is subjected to change without further notice. Please consult Propan for any specific guidance on the suitability of this product for their needs or for any specific application practices.