

ULTRAN VERNIS V-09

No. TD : V-017
Revision : 02
Effective Date : 21/05/2015

ULTRAN VERNIS V-09 is a low cost varnish which is made from modified alkyd resin and pigment (for color systems). This product is designed for protective of interior housing component and handicrafts. It is economist, easy to apply, good adhesion on substrate, and has build film. It is used as a transparent coloring and natural finish.

PRODUCT SPECIFICATION

Type	: Modified alkyd resin
Appearance	: Colored liquid
Color	: Light Teak, Light Yellow, Reddish clay, Tobacco
Gloss level	: 85 ± 5 %
Solid content (NV, w/w)	: 29 ± 2 %
Viscosity (Din cup 4, 30°C)	: 10 - 15 sec
Specific Gravity	: 0.81 - 0.85 g/cc
Flash Point	: 23°C
Packing	: 0.8 lt. in steel can

APPLICATION

Application condition	: 25 - 35°C, 60 - 80%RH
Application method	: Air spray or brush
Substrate	: Kamper or other wood
Thinner	: THINNER ULTRAN POLITUR
Thinning ratio by volume	: Thinner is used if necessary
Application viscosity (30°C)	: 10 - 15 sec Din 4 by brush
Pot life of mixture	: N/A
Coating Amount (wet)	: 60 - 70 g/m ² of mixture per coat
Theoretical coverage	: 13 m ² /lt. at ca 60 g/m ²

FILM PROPERTIES

Drying time (at 30°C, RH = ± 80%)			
▪ Dust Free	: 15 - 20 minutes		
▪ Tack Free	: 180 - 240 minutes		
Recoating time	: wet on dry = after 180 - 240 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

⇒ The surface must be clean, dry, and free from oil.

- ⇒ 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).

APPLICATION INFORMATION

- ⇒ Mix well the **ULTRAN VERNIS V-09** before use it.
- ⇒ Apply even coat of **ULTRAN VERNISH V-09** by spray or brush at coating amount 60 - 70 g/m².
- ⇒ Sand the surface lightly with sandpaper no. 400 after dry 6 - 8 hours.
- ⇒ Apply another even coat of **ULTRAN VERNISH V-09**.

RECOMMENDED COATING SYSTEM

No.	APPLICATION STEP	OPEN PORE SYSTEM		CLOSE PORE SYSTEM	
		PRODUCT	REC. COAT	PRODUCT	REC. COAT
1	Filling Pore	-	-	IMPRA WF-115	1 x
2	Base Coat	ULTRAN V-09	1 x	ULTRAN V-09	1 x
3	Top Coat	ULTRAN V-09	1 x	ULTRAN V-09	1 x

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 vapour 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