

MELAMINE LACK IMPRA ML-131

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MELAMINE LACK IMPRA ML-131 is a two component Amino Alkyd topcoat cured by acid hardener. It provides low yellowing, low formaldehyde, good hardness, scratch resistance, and also resistance to household chemical and water. This product is available in Clear Gloss, Semi Gloss, and Clear Gloss. It is suitable for furniture or interior use as a topcoat for wood surface.

PRODUCT SPECIFICATION

<i>A Component</i> IMPRA ML-131	Appearance	Gloss level	Solid Content (NV, w/w)	Viscosity (Din cup 4, 30°C)	Specific Gravity
Clear Gloss	Clear	90 sheen	54 ± 2 %	Min. 60 sec	0.99 ± 0.02 g/cc
Semi Gloss	Milky	50 sheen	47 ± 2 %	Min. 35 sec	0.99 ± 0.02 g/cc
Clear Dof	Milky	20 sheen	47 ± 2 %	Min. 35 sec	0.99 ± 0.02 g/cc
<i>B Component</i> HARDENER MHTC	Lightly Yellow	-	28 ± 2 %	-	0.94 ± 0.02 g/cc

Color : N/A
Flash Point : 23°C
Free Formaldehyde Content : Below 0.5% w/w
Packing : 18 lt. in steel pail (for A component)
2 lt. in plastic jar (for B component)

APPLICATION

Application condition : 25 - 35°C, 60 - 80 %RH
Application method : Air Spray
Substrate/ Undercoat : Ramin / IMPRA MSS-123
Mixing ratio by volume :
A Component : B Component : THINNER = 9 : 1 : 8 - 9
(IMPRA ML-131) : (HARDENER MHTC) : MELAMINE
Thinner : THINNER MELAMINE
Application viscosity (Din cup 4, 30°C) : 14 ± 2 sec
Pot life of mixture : 5 - 6 hours
Coating Amount (wet) : 100 - 150 g/m² of mixture per coat
Theoretical coverage : 8 m²/lt at ca 125 g/m²

FILM PROPERTIES

Drying time (at 30°C, RH = ± 80%)

- Dust Free : 10 - 15 minutes
- Tack Free : 90 - 120 minutes

Recoating time : wet on wet = 5 - 15 minutes
wet on dry = after 2 - 3 hours
Stacking time : After 2 - 3 hours
Packing time : After 16 hours
Adhesion on IMPRA MSS-123 : GT = 0 - 1
Resistance to:

- Water : Good
- Ethyl Acetate : Butyl Acetate : Good
- Acetone : Fair
- Alcohol : Good
- Weather : N/A
- QUV 500 hours : Fair
- Yellowing : Excellent
- Blocking 2 Psi : Good
- Hot and Cold Check (ASTM D 1211-06) : Good
- Abrasion : Fair

OTHERS

- Shelf life : 18 months if stored in cool and dry condition in original sealed can.
Storage and handling : Store in good ventilation room temperature. Be careful with B component because of acid.

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 sandpaper no. 120 - 150 for Oak wood, no. 150 - 180 for Rubber and Ramin wood, and no. 180 followed by 240 for Cherry wood).
3. Especially for oily wood, it is recommended to apply Gum Sealer.
4. For close pore finishing it is necessary to use wood filler.
5. Use IMPRA IMPRA MSS-123 or other type of stain if necessary.
6. Use IMPRA IMPRA MSS-123 as a base coat

APPLICATION INFORMATION

1. Mix **MELAMINE LACK IMPRA ML-131** with Hardener and Thinner according to the Recommended Mixing Ratio.
2. Spray even coat of **MELAMINE LACK IMPRA ML-131** at coating amount 100 - 150 g/m².
3. Sand the surface with sandpaper no. 400 after dry 1 - 2 hours. To get the optimum Glossy, it's better to sand after 4 hours or over night.
4. Spray another even coat wet on wet after 5 - 15 minutes of the first coat, or wet on dry after sanding of the first coat.
5. Good ventilation in working area is suggested.

RECOMMENDED COATING SYSTEM

☒ STANDARD TRANSPARENT COLOR SYSTEM

No.	APPLICATION STEP	CLOSE PORE SYSTEM		OPEN PORE SYSTEM	
		PRODUCT	REC. COAT	PRODUCT	REC. COAT
1	Filling Pore	IMPRA SH-113	1 x	-	-
2	Staining	IMPRA WS-212	1 x	IMPRA WS-212	1 x
3	Base Coat	IMPRA MSS-123	2 x	IMPRA MSS-123	2 x
4	Top Coat	IMPRA ML-131	2 x	IMPRA ML-131	2 x

SAFETY PRECAUTION

This product contains free formaldehyde and aromatic solvent, but does not contain any materials with heavy metals. 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 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.