

NON YELLOWING LACQUER IMPRA NYL-175

No. TD : N-032
Revision : 00
Effective Date : 19/11/2024

IMPRA NYL-175 is a one component clear topcoat based on acrylic resin. Fast drying, non-yellowing, good hot and cold check resistance. This product is suitable for furniture and interior wooden part that need regular maintenance such as hotels, restaurant, etc. It is available in Clear Gloss, Semi Gloss, and Clear Dof.

PRODUCT SPECIFICATION

Type : Acrylic

IMPRA NYL-175	Appearance	Gloss level	Solid Content (NV, w/w)	Viscosity (Din cup 6, 30°C)	Specific Gravity
Clear Gloss	Clear	90 sheen	28 ± 2 %	85 – 100 sec	0.92 ± 0.02 g/cc
Semi Gloss	Milky	50 sheen	24 ± 2 %	30 – 45 sec	0.92 ± 0.02 g/cc
Clear Dof	Milky	20 sheen	24 ± 2 %	30 – 45 sec	0.91 ± 0.02 g/cc

Color : N/A
Flash Point : 23°C
Packing : 1 lt. in steel can, 5 lt. in steel gallon or 20 lt. in steel pail

APPLICATION

Application condition : 25 - 35°C, 60 - 80%RH
Application method : Air spray, Airless spray
Substrate/ Undercoat : Sungkai / IMPRA NYSS-155
Mixing ratio by volume : **IMPRA NYL-175** : Thinner = 1 : 1
Thinner : THINNER YORI HIJAU
Application viscosity (Din cup 4, 30°C) : 14 ± 2 sec
Pot life of mixture : N/A
Coating Amount (wet) : 100 - 150 g/m² of mixture per coat
Theoretical coverage : 8 m²/lt. at ca 120 g/m²

FILM PROPERTIES

Drying time (at 30°C, RH = ± 80%)

- Dust Free : 5 - 10 minutes
- Tack Free : 30 - 60 minutes

Recoating time : wet on wet = 10 - 20 minutes
wet on dry = after 1 - 2 hours
Stacking time : After 1 - 2 hours
Packing time : After 12 hours
Gloss (60°) by spray at

- ca 200g/m² : - Gloss = 85 – 90%
- ca 120 g/m² : - Semi Gloss = 50 – 60%
- : - Clear Dof = 10 – 20 %

Adhesion on IMPRA NYSS-155 : GT = 0 - 1

Resistance to

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

OTHERS

Shelf life	: Five 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. 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 wood stain IMPRA WS-162 B or other type of stain if necessary.
6. Use IMPRA NYSS-155 as a Base Coat.

APPLICATION INFORMATION

1. Mix one part of **IMPRA NYL-175** with one part of thinner.
2. Spray even coat of **IMPRA NYL-175** at coating amount 100 - 150 g/m².
3. Sand the surface with sandpaper no. 400 after dry 1 - 2 hours.
4. Spray another even coat wet on wet after dry 10 - 20 minutes of the first coat, or wet on dry after sanding the first coat.
5. Good ventilation in working area is suggested.

RECOMMENDED COATING SYSTEM

No.	APPLICATION STEP	TRANSPARENT SYSTEM		NATURAL LOOK SYSTEM		NATURAL LOOK SYSTEM	
		PRODUCT	REC. COAT	PRODUCT	REC. COAT	PRODUCT	REC. COAT
1	Filling Pore	IMPRA SH-113/SH-114	1x	IMPRA SH-113/SH-114	1x	-	-
2	Staining	IMPRA WS-162 B	1x	-	-	-	-
3	Base Coat	IMPRA NYSS-155	2x	IMPRA NYSS-155	2x	IMPRA NYSS-155	2x
4	Top Coat	IMPRA NYL-175	2x	IMPRA NYL-175	2x	IMPRA NYL-175	2x

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 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

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.