

EC-973-2K

EPOXY CAST

Epoxy Lacquer

No. TD : E-049
Revision : 00
Effective Date : 21/11/2022

PRODUCT DESCRIPTION

EC-973-2K is a two component crystal clear epoxy top coat for interior application.

It provides :

1. High gloss with excellent clarity
2. Better resistance to yellowing (**compared to standard epoxy*)
3. Low shrinkage
4. Can be applied up to 1 cm thick per coat

PRODUCT SPECIFICATION

Type	: Two component solvent free epoxy lacquer	
	Component A	Component B
	EC-973-2K	ECH-973-PS
Color	: Clear	Clear
Specific gravity	: 1.16 ± 0.04 gr/ml	0.98 ± 0.02 gr/ml
Solid by volume (mixture)	: 98 ± 1 %	
Flash point	: 253°C	
Drying time	:	
1. Surface dry	: 3-4 hours (@30°C)	
2. Hard dry	: 7-8 hours (@30°C)	
3. Full strength	: 7 days (@30°C)	
Packaging	: 1.5 Liter-set	
Storage stability	: One year in cool and dry storage (above freezing point) and in original unopened box.	
Mixing ratio by volume	: Comp A : B = 2 : 1 v/v	
Pot life	: 25 minutes (@30°C)	
Application method	: Pour	
Substrate	: Wood, concrete, stone	
Application viscosity	: Ready for Use	
Coating amount (wet)	: 2000 g/m ² or as necessary (up to 1 cm thick per coat)	
Re-coating interval	: 7-16 hours	
Application condition	: T = 25-35 °C, RH = maximum 80%	

Provide adequate ventilation during application and drying

FILM PROPERTIES

Adhesion on wood (ASTM D 3359)	: at least 4B
Adhesion on concrete (ASTM D 4541)	: 2.5 N/mm ² (fail on substrate)

OTHERS

Shelf life	: 12 months.
Storage and handling	: Store at maximum temperature 35°C. If store under elevated temperature will shorten the shelf life. Avoid from heat and direct sunlight

SURFACE PREPARATION

1. The surface must be dry, clean and free from oil and any loosen particle.
2. Remove oil, grease, or dirt with solvent or appropriate method (using wire brush, steel wool, or sand paper).

APPLICATION INFORMATION

1. Mix **EC-973-2K** with **ECH-973-PS** at mixing ratio A:B = 2:1 (v/v).
2. Slight adjustment is needed when using Propan Epoxy Colorant (**EPDC-7500** and **EPTC-7600**) firstly mix the epoxy colorant with component A, then use this mixture as A'. Mix A' with **ECH-973-PS** at mixing ratio A':B = 2:1 (v/v).
3. Apply the mixture on the substrate.
4. Leave it dry for at least 7 hours before the next coat.
5. Good ventilation in working area is suggested.

SIMPLYFIED RECOMMENDED COATING SYSTEM

No.	APPLICATION STEP and PRODUCT CODE	MIXING	RECOMMENDED COATING AMOUNT	CURING
Substrate: Wood				
	Sanding #180 or #240			
1	Primer			
	EC-973-2K	2	150-200 gr/m ²	7-16 hours @ 30°C
	ECH-973-PS	1		
2	Top Coat			
	EC-973-2K	2	2000 gr/m ²	7-16 hours @ 30°C
	ECH-973-PS	1		
3	Buffing if needed			

SAFETY PRECAUTION

This product does not contain formaldehyde or heavy metals. Avoid contact with the skin and eyes. Wear suitable protective clothing such as goggles, masks, and gloves.

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.

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.