Envirolak

Technical Data Sheet
ELPR170-TB
Revision Date: 9/23/2020

PRODUCT CODES: **ELPR170-TB**

AVAILABLE SHEENS: NA

NAME: **ENVIROTHANE 170 TB TANNIN BLOCKING WHITE PRIMER**

DESCRIPTION: ELPR170-TB Water based primer provides an excellent foundation for any solid colour systems on tannin rich woods. Based on our PR170 urethane primer, this version is designed to lock tannins into the first coat. For very tannin rich woods a second coat may be required before sanding and topcoating. It offers fast dry times and is easy to sand.

USES: This product is designed for interior wood finishing applications such as cabinetry, tables, furniture and millwork.

PRODUCT PREPARATION: Reduction is not required if spraying through a pump, but the product may be reduced up to 10% with water to improve application characeteristics depending on the equipment used. Product should be at room temperature and mixed thoroughly prior to finishing to ensure consistency and gloss.

SANDING: Substrate should be sanded with 180 grit or finer sandpaper prior to applying primer. Sand primer with 320 grit or Superfine Sponges. This product is versatile and can be topcoated with ELNYW200XX Envirothane 200 White Topcoat or a variety of other coatings.

RECOMMENDED APPLICATION:

Spray type:	Air Assist Airless
Fluid Pressure:	~600 PSI
Air Pressure:	20-25 PSI
Tips:	06 or 09
Wet Film Build:	4-5 mils
Number of Coats:	1-2 depending on desired look
Drying Times:	See Below
Maximum Dry Film Build:	6 mils (total system)

*can also be applied by Cup Gun with the addition of 10% water

PHYSICAL PROPERTIES:

Specific Gravity:	1.5 ± 2%
Viscosity:	2500cps @20°C
Solids Content:	70% by weight
Pot Life:	None
Flash Point:	>75°C
VOC's:	55 g/L, 0.45 lb/gal
VOC's (Less Exempt):	63 g/L, 0.51 lb/gal

Manufactured in Canada by Performance Finishing Solutions
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DRYING TIMES:

Air dry:	Dry to Touch	10 Minutes
(20°C/68°F)	Dry to Sand	30-50 Minutes
	Dry to Stack	12 Hours
	Note: Gentle air movement (recirculator or fan) while parts are drying will reduce dry to sand times by 20-40%	
Conventional Oven:	Dry to Touch	5 Minutes
(40-45°C/104-113°F)	Dry to Sand	15-25 Minutes
	Dry to Stack	1-2 Hours
Sun-Spot IR Cure:	Flash off	2 Minutes
(Recommended)	Cure	15 Minutes @60-70°C
	Cool Down	5 Minutes
	Product is dry to sand (or stack) after cooling	

TYPICAL SYSTEM:

Substrate: Tannin Rich Woods (Southern Red Oak, Swamp Maple, Mahogany, etc.)
ELPR170-TB Envirothane 170 TB Tannin Blocking White Primer
Sand using 320 grit sandpaper
ELPR170-TB Envirothane 170 TB Tannin Blocking White Primer
Sand using 320 grit sandpaper
ELNYW200XX Envirothane 200 White Topcoat

GENERAL INFORMATION:

Use stainless steel (304/316) equipment for all water based products. When switching between solvent and water based products in the same spray equipment we suggest the following:

From Solvent to Water: Wash with acetone, then wash with water.
From Water to Solvent: Wash with water, then wash with acetone.

Keep containers closed when not in use and keep from freezing.
These products are designed for industrial use only. Please refer to the Safety Data Sheet prior to use.

SHELF LIFE:

12 months in unopened containers

STORAGE:

Store in a tightly closed container at room temperature (18-25°C/64-75°F) and protect from direct sunlight and foreign material. Do not store at temperatures below 5°C/41°F.

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