

PRODUCT CODE: ELPR160-TB

NAME: ENVIROCRYL 160-TB TANNIN BLOCKING WHITE PRIMER

DESCRIPTION: ELPR160-TB is a universal primer with tannin blocking properties that provides an excellent foundation for any solid colour systems on solid wood, veneer, MDF or for refinishing as a 1K product. It offers fast dry times and is easy to sand with light pressure. ELPR160-TB can also be applied over T9000 that has dried for 1-2 hours. It has excellent leveling and anti-sag for vertical applications and is very easy to spray brush or roll. It can also be used as a 2K product by adding 5% CAT100LV Hardener (4-6 hour pot life). After priming, PR160-TB is suitable to be topcoated with Envirolak's 200, 400 or 800 series and many other topcoats. Do not use 100 series over PR160-TB.

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

PRODUCT PREPARATION: Reduction is not required when spraying with Air Assisted Airless, Airless, pressure pots, HVLP turbine and conventional cup guns but the product may be reduced with water or ELRX010 Reducer if desired or when brushing and rolling to improve leveling. Product should be at room temperature and mixed thoroughly prior to application.

CATALYST RATIOS USING CAT100-LV HARDENER

ELPR160-TB
(approx. 6 hr pot life @~5%)

by weight ~5%
1.2kg (1 can) per 20.9kg (4 GA) pail
300g (1/4 can) per 4.9kg (0.94 GA)
by volume ~5%
1060mL/36oz.(1 can)per 4 GA pail
240mL/8oz.(1/4 can) per GA

RECOMMENDED APPLICATION:

Spray type:	Air Assisted Airless
Fluid Pressure:	500-800 PSI
Air Pressure:	25 PSI (triggered)
Tips: Kremlin	06114, 09114, 09154, 09174
Wagner	1150, 1350, 1360, 1380
Graco/CA and others	411, 413, 511, 513, 611, 613
Reduction: Hand Spray	Not required, 3% RX010 suggested
Reduction: Machine Spray (Recip or Rotary)	Add 5% RX010 & 1% RX114
Spray type:	Airless
Fluid Pressure:	2000-3000 PSI
Tips: Fine Finish, Ultra Finish or Skill Tip	308, 408, 508, 410, 09-17
Reduction: Hand Spray	Not required, 3% RX010 suggested
Reduction: Machine Spray (Recip or Rotary)	Add 5% RX010 & 1% RX114

Envirolak

Technical Data Sheet
ELPR160-TB
Revision Date: 2/8/24

RECOMMENDED APPLICATION:

Spray type:	HVLP (Turbine) 4 stage or higher
Air Pressure:	Max
Needle:	1.5-1.8 high solids air cap
Reduction:	5-10% ELRX010 or 15-30% water
Spray type:	Cup Gun (gravity)
Air Pressure:	30-40 PSI
Tips:	1.8 needle
Reduction:	2-5% ELRX010 or 10-15% Water
Brush:	Medium/Firm Nylon or Polyester
Roll:	Mohair, Velour or 3/16 Microfiber
Reduction:	3-5% ELRX010 or 10-15% Water
Wet Film Build:	6-7 mils
Grams per 1/10 sq. metre: (250x400mm board)	21 - 25
Number of Coats:	1-2 depending on desired look
Maximum Dry Film Build:	6 mils
Coating Temperature at Application:	16°C (60°F) or higher

PHYSICAL PROPERTIES:

Specific Gravity:	1.38 ± 2%
Viscosity:	3500-4000cps @20°C
Solids Content:	57% by weight
Pot Life:	None
Flash Point:	>75°C
VOC's (Less Exempt):	169 g/L, 1.4 lb/gal

SANDING:

Sand raw wood or veneer with 150 or 180 grit to remove any mill glaze or oxidation. Sand MDF with 240 - 320 grit sandpaper especially any machined (saw marks, edges & routed-out areas) prior to applying primer. Sand primer with 320/400 grit sandpaper or fine/super fine sponges. Two coats can be applied same day back-to-back without sanding between and still achieve good adhesion, a quick scuff is required if more than 8 hours elapsed between coats. All of our primers must be sanded same day as topcoat application as they cure quickly, if the primer is sanded and left overnight it will require a quick scuff with maroon scotchbrite or a super fine sponge for adhesion before applying topcoat.

DRYING TIMES:

Air dry: (20°C/68°F) with air movement	Dry to Touch	10-15 Minutes
	Dry to Sand	1 hour
	Dry to Recoat	1-2 hours
	Dry to Stack	4 hours

Note: Good gentle air movement (not a hurricane) with a recirculator or fan while parts are drying will reduce dry to sand times by 20-40% with reasonable humidity levels (<65% r.h.). Lower temperatures or higher humidity will extend dry times.

Conventional Oven: (40-45°C/104-113°F)	Dry to Touch	10 Minutes
	Dry to Sand	30 Minutes
	Dry to Recoat	30-60 minutes
	Dry to Stack	1 hour

Sun-Spot IR Cure: (Recommended)	Flash off	2 Minutes
	Direct Cure	5 Minutes @60-70°C (140-160°F)
	Rack Cure (Indirect no probe mode)	10 Minutes @10%+ power
	Cool Down	10-20 minutes
	Product is dry to sand (or stack) after cooling	

TYPICAL SYSTEMS: **Two coats of PR160-TB can be applied same day without sanding between. Refinish - Over Old Finishes**

Substrate: Old Honey Oak with Pre-cat Lacquer (from your uncles house in 1980)

Prep: Degrease, premix 1 part RX110 (EnviroKlean) - 4 parts water, spray on surface, scrub with marroon scotchbrite or stiff nylon brush to loosen grease and contamination, wipe clean with wet rag with water to remove EnviroKlean, wipe again with a dry rag to remove any remaining EnviroKlean or grease, allow to dry and sand with 180 grit or fine sponges

1 or 2 coats, ELPR160-TB White Primer 1K or 2K

Sand using 320/400 grit sandpaper, refine with fine/super fine sponges

1 or 2 coats ELNYW200XX or ELACW400XX Topcoats 1K or 2K or ELNYW800XX 1K or with Crosslinker

Refinish - Over Old Finishes

Substrate: Old Honey Oak with Pre-cat Lacquer (from your uncles house in 1980)

Prep: Degrease, premix 1 part RX110 (EnviroKlean) - 4 parts water, spray on surface, scrub with marroon scotchbrite or stiff nylon brush to loosen grease and contamination, wipe clean with wet rag with water to remove EnviroKlean, wipe again with a dry rag to remove any remaining EnviroKlean or grease, allow to dry and sand with 180 grit or fine sponges

TYPICAL SYSTEMS: 1 coat ELPRT9000 White Primer 1K
Sand using 240/320 grit sandpaper or fine sponges
1 coat ELPR160-TB White Primer 1K
1 or 2 coats ELNYW200XX or ELACW400XX Topcoats 1K or 2K or ELNYW800XX 1K
or with Crosslinker

New Construction - Solid Wood Frame with Veneer or MDF Center Panel

1 or 2 coats, ELPR160-TB White Primer 1K or 2K
Sand using 320/400 grit sandpaper, refine with fine/super fine sponges
1 or 2 coats ELNYW200XX or ELACW400XX Topcoats 1K or 2K or ELNYW800XX 1K
or with Crosslinker

CLEANING: Flush all equipment with water until it runs clear. Built-up coating and deep cleaning can be performed using ELRX110 EnviroKlean WB Cleaner. For best results cleaning tips, aircaps and unpainted parts use ELRX110 for one hour or 10-20 minutes in an Ultrasonic bath (max. temp. 50°C/120°F). Do not leave painted parts (i.e. spray guns) in ELRX110 for more than 20 minutes.

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.

Disclaimer: Every reasonable precaution is taken by the manufacturer in the manufacture of our products to ensure that they comply with our standards. The information given herein is correct to the best of our knowledge. Any suggestions made by us covering the use of our products are based on experience and/or tests believed to be reliable. However, because the use of any product of our manufacture is completely beyond our control, including for example, the method and conditions of application, no guarantee or warranty, expressed or implied, is made. Manufacturer's maximum liability shall be to replace such quantity of product determined by our laboratory to be defective. User shall determine the suitability of the product for his intended use and assumes all risk and liability in connection therewith.