

PRODUCT CODE: ELPR160-TB

NAME: ENVIROCRYL 160-TB TANNIN BLOCKING WHITE PRIMER

DESCRIPTION: ELPR160-TB is a universal water based 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. 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 very easy to spray brush or roll. It can also be used as a 2K product by adding 5% CAT100LV Hardener. 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.

SANDING: Raw wood substrate should be sanded with 120-180 grit sandpaper prior to applying primer. Sand primer with 320 grit sandpaper and refine with super fine sponges if needed.

RECOMMENDED APPLICATION:

Spray type:	Air Assisted Airless
Fluid Pressure:	400-600 PSI
Air Pressure:	25 PSI (triggered)
Tips: Kremlin	04114, 06114, 09114, 09154
Wagner	0950, 1150, 1350, 1360, 1380
Graco/CA and others	411, 413, 511, 513, 611, 613

Spray type:	Airless
Fluid Pressure:	2000-2200 PSI
Tips: Fine Finish or Ultra Finish	308, 408, 508
Reduction:	Not required, water or RX010 optional

Spray type:	HVLP (Turbine)
Air Pressure:	Max
Needle:	1.5-1.8

Envirolak

Technical Data Sheet
ELPR160-TB
Revision Date: 8/25/23

RECOMMENDED APPLICATION CONTINUED:

Spray type:	Cup Gun (gravity)
Air Pressure:	40 PSI
Tips:	1.8
Reduction:	Not required, water or RX010 optional
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

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:** **Solid Wood, Venners, MDF, T9000 or old solvent finishes**
Sand raw wood 120-180
ELPR160-TB Envirocyl 160 Tannin Blocking White Primer 1k or 2k
Sand using 240 or 320 grit sandpaper
ELPR160-TB Envirocyl 160-TB Tannin Blocking White Primer 1k or 2k
Sand using 320 or 400 grit sandpaper, refine with super fine sponges if desired
1 or 2 coats ELNYW200XX or ELACW400XX or ELNYW800XX 1K or 2K
- 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.