

**PRODUCT CODE:** PRT9000

**NAME:** ENVIROCRYL T9000 UNIVERSAL STAIN & TANNIN BLOCKING PRIMER

**DESCRIPTION:** ELPRT9000 is a specially designed 1K universal primer for refinishing and new construction. It offers industry leading stain, dye and tannin blocking in an easy to use, one-component, economical water based primer that loves heat and can be force dried quickly. The new 2026 formula has higher build, better adhesion, better moisture resistance is easy to sand and can be used under all Envirolak top coats including our 100 series. It has excellent adhesion to a variety of existing coatings (solvent or water based) as well as veneers, solid wood, MDF, plastics, concrete and stone. This product can be tinted with T900BT black tinter to make it dark grey in colour.

**PRODUCT PREPARATION:** **IMPORTANT!! LIQUID PRT9000 DOES NOT MIX WITH OTHER MATERIALS!!!** Make sure you flush your system thoroughly with water before and after using ELPRT9000. If you load any other product into your system after PRT9000 without a water rinse you will cause resin to kick out leaving grit in your finish and causing significant clogging. Reduction is generally not required. Product should be at room temperature and mixed thoroughly prior to finishing to ensure consistency.

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

<b>RECOMMENDED APPLICATION:</b>	Spray type:	Air Assist Airless
	Fluid Pressure:	300-600 PSI
	Air Pressure:	25 PSI (triggered)
	Tips:	04 or 06 (0.009 -0.011 inch)
	Spray type:	Airless
	Fluid Pressure:	1200-2000 PSI
	Tips:	306 or 308 or 408, fine finish or ultra finish
	Spray type:	HVLP (Turbine) 5 stage or higher
	Air Pressure:	Max
	Needle:	1.8 needle high solids air cap
	Reduction:	0-5% ELRX010 or 0-10% water
	Spray type:	Cup Gun (gravity)
Air Pressure:	25-35 PSI	
Tips:	1.8 needle	
Reduction:	0-5% ELRX010 or 0-10% water	
Brush:	Medium/Firm Nylon or Polyester	
Roll:	Mohair, Velour or 3/16 Microfiber	
Reduction:	0-3% ELRX010 or 0-10% water	

Wet Film Build:	3-5 mils
Grams per 1/10 sq. metre: (250x400mm board)	11-18g
Number of Coats:	1-2 depending on application
Maximum Dry Film Build:	6 mils
Coating Temperature at Application:	minimum 16°C (60°F) or higher
*for colder temperatures, add water or warm up the material prior to spraying	

## SANDING:

Raw wood/veneer/MDF: Substrate should be sanded with 180 - 320 grit sandpaper prior to applying primer. Very lightly sand primer with 320 grit or fine sponges prior to application of next layer for best appearances. You may apply another coat of PRT9000 on itself without sanding in between if done within 4 hours.

## DRYING TIMES:

<b>Air dry:</b> (20°C/68°F) 4-5 wet mils*	Dry to Touch	20 Minutes
	Dry to Sand	1 hour
	Dry to Stack	Overnight
	*if you apply a second coat or a very heavy first coat these times will double.	
	Dry to Topcoat	4 hours
<b>Conventional Oven:</b> (40-50°C/104-120°F)	Dry to Touch	10 Minutes
	Dry to Sand	30 Minutes
	Dry to Stack	1-3 Hours
<b>Sun-Spot/IR Cure:</b> (Recommended)	Flash off	2-5 minutes
	Direct Cure	5 Minutes @60-70°C (140-160°F)
	Rack Cure (Indirect no probe mode)	10 Minutes @20%+ power
	Cool Down	15-20 minutes
	Product is ready for stacking/sanding/recoating after cool down.	

## PHYSICAL PROPERTIES:

Specific Gravity:	1.38 ± 2%
Viscosity:	2500cps @25°C
Solids Content:	59% by weight
Pot Life:	None
Flash Point:	>100°C
VOC's:	13 g/L, 0.15 lb/gal
VOC's (Less Exempt):	22 g/L, 0.176 lb/gal

**APPROVED SYSTEM: Whites or Light Colours:**

**Refinishing - over old finishes**

Prep: Degrease, premix 1 part RX110 (EnviroKlean) - 4 parts water, spray on surface, scrub with maroon 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

ELPRT9000 Universal Stain & Tannin Blocking Primer

Dry

Scuff 320 or Superfine sponges

1 or 2 coats ELACW450XX or ELACW450XX or ELACW800XX White Topcoat 1K or with 3% CAT150 Crosslinker.

**APPROVED SYSTEM: Dark Colours**

Substrate: Maple or Maple veneer

Substrate Preparation: Sand 180 grit

ELPRT9000 Universal Stain & Tannin Blocking Primer

Dry

Scuff 320 or Superfine sponges

2 coats EL100XX or ELAN510XX or ELAC500XX series top coats tinted to a dark colour 1K or 2K

**CLEANING:**

Flush all equipment with water until it runs clear. **DO NOT MIX LIQUID PRT9000 WITH OUR ELRX110 CLEANER**, it will turn into a gelatinous mass that will be very hard to clean up. Clean up wet product with water (no soap) or a blend of alcohol/water. Dried material can be cleaned with ELRX110.

**GENERAL INFORMATION:**

Use stainless steel (304/316) equipment for all water based products.

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.