Envirolak

Technical Data Sheet ELPR180 Revision Date: 12/31/2022

PRODUCT CODES: ELPR180

NAME: ENVIROTHANE 180 NEUTRAL PRIMER HIGH SOLIDS

DESCRIPTION: ELPR180 is the neutral version of our high performance white primer. This product is designed to be tinted for use in dark coloured finishes. It provides good hiding when tinted and offers outstanding fill characteristics in an easy to sand, VOC friendly water based primer. When using PR180 on veneer, solid wood or in a refinish situation it is necessary to use the product as a 2K system by adding ELCAT100 Hardener to improve adhesion and prevent cracking.

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

PRODUCTReduction 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.

RECOMMENDED APPLICATION:

Air Pressure: Tips: Spray type: Fluid Pressure: Tips: Spray type: Air Pressure:

Spray type: Air Pressure: Tips: Reduction:

Wet Film Build:

Number of Coats:

Maximum Dry Film Build:

Grams per 1/10 sq. metre: (250x400mm board)

Needle:

Reduction:

Spray type:

Fluid Pressure:

06, 09 or 12 Airless 1200-2000 PSI 310, fine finish or ultra finish HVLP (Turbine) Max

Air Assist Airless

25 PSI (triggered)

500-700 PSI

1.5-1.8 2-5% ELRX010

Cup Gun (gravity) 40 PSI 1.8 2-5% ELRX010

4-6 mils 16g - 24g 1-2 depending on desired look 6 mils

Coating Temperature at Application: 20°C (68°F) or higher *for colder temperatures, add reducer (ELRX010) or warm material prior to spraying

Manufactured in Canada by Performance Finishing Solutions
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PHYSICAL PROPERTIES:	Specific Gravity: Viscosity: Solids Content: Pot Life: Flash Point: VOC's:	1.4 ± 2% 2500cps @20°C 66% by weight None >75°C 56 g/L, 0.47 lb/gal
SANDING:	VOC's (Less Exempt):80 g/L, 0.67 lb/galSubstrate 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 betopcoated tinted versions of our Envirothane 100 or 300 Series Topcoats or a variety ofother coatings.	
DRYING TIMES:		
Air dry: (20°C/68°F)	Dry to Touch Dry to Sand Dry to Stack Note: Gentle air movement (recirculator or fan) wh sand times by 20-40%	10 Minutes 30-50 Minutes 12 Hours ile parts are drying will reduce dry to
Conventional Oven: (40-45°C/104-113°F)	Dry to Touch Dry to Sand Dry to Stack	5 Minutes 15-25 Minutes 1-2 Hours
Sun-Spot IR Cure: (Recommended)	Flash off Cure Cool Down Product is dry to sand (or stack) after cooling	2 Minutes 15 Minutes @60-70°C 5 Minutes
TYPICAL SYSTEM:	Note: Two coats of PR180 can be applied same day without sanding between.	
	Refinish - Dark Colours Over Old FinishesSubstrate: Honey Oak with Pre-cat LacquerPrep:Degrease, rinse and sand 180 grit1 or 2 coats, ELPR180 (5% 896-9901) Primer with 2.5% - 5% by vol. ELCAT100Sand using 320 grit sandpaper or fine sponge1 or 2 coats EL100XX Envirothane 100 Topcoat Tinted BlackNew Finish - Solid Wood Frame with Veneer core1 or 2 coats, ELPR180 (with tint) Primer with 2.5% - 5% by vol. ELCAT100 Hardener	
	Sand using 320 grit sandpaper or fine sponge ELPR180 Envirothane 180 Primer Tinted Black (5% 896-9901) Sand using 320 grit sandpaper or fine sponge 1 or 2 coats EL100XX Envirothane 100 Topcoat Custom Dark Colour	

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TYPICAL SYSTEM:	New Finish - Black on MDF ELPR180 Envirothane 180 Neutral Primer +5% 896-9901 Black Tint Sand using 320 grit sandpaper ELPR180 Envirothane 180 Neutral Primer +5% 896-9901 Black Tint Sand using 320 grit sandpaper EL100XX Envirothane 100 Warm Clear +5% Black Tint	
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 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.

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