

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.

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 characteristics depending on the equipment used. Product should be at room temperature and mixed thoroughly prior to finishing to ensure consistency and gloss.

RECOMMENDED APPLICATION:

Spray type:	Air Assist Airless
Fluid Pressure:	500-700 PSI
Air Pressure:	25 PSI (triggered)
Tips:	06, 09 or 12
Spray type:	Airless
Fluid Pressure:	1200-2000 PSI
Tips:	310, fine finish or ultra finish
Spray type:	HVLP (Turbine)
Air Pressure:	Max
Needle:	1.5-1.8
Reduction:	2-5% ELRX010
Spray type:	Cup Gun (gravity)
Air Pressure:	40 PSI
Tips:	1.8
Reduction:	2-5% ELRX010
Wet Film Build:	4-6 mils
Grams per 1/10 sq. metre: (250x400mm board)	16g - 24g
Number of Coats:	1-2 depending on desired look
Maximum Dry Film Build:	6 mils
Coating Temperature at Application:	20°C (68°F) or higher
*for colder temperatures, add reducer (ELRX010) or warm material prior to spraying	

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

PHYSICAL PROPERTIES:	Specific Gravity:	1.4 ± 2%
	Viscosity:	2500cps @20°C
	Solids Content:	66% by weight
	Pot Life:	None
	Flash Point:	>75°C
	VOC's:	56 g/L, 0.47 lb/gal
	VOC's (Less Exempt):	80 g/L, 0.67 lb/gal

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 tinted versions of our Envirothane 100 or 300 Series Topcoats or a variety of other coatings.

DRYING TIMES:

Air dry: (20°C/68°F)	Dry to Touch	10 Minutes
	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: (40-45°C/104-113°F)	Dry to Touch	5 Minutes
	Dry to Sand	15-25 Minutes
	Dry to Stack	1-2 Hours

Sun-Spot IR Cure: (Recommended)	Flash off	2 Minutes
	Cure	15 Minutes @60-70°C
	Cool Down	5 Minutes
	Product is dry to sand (or stack) after cooling	

TYPICAL SYSTEM: **Note: Two coats of PR180 can be applied same day without sanding between.**

Refinish - Dark Colours Over Old Finishes

Substrate: Honey Oak with Pre-cat Lacquer
Prep: Degrease, rinse and sand 180 grit
1 or 2 coats, ELPR180 (5% 896-9901) Primer with 2.5% - 5% by vol. ELCAT100
Sand using 320 grit sandpaper or fine sponge
1 or 2 coats EL100XX Envirothane 100 Topcoat Tinted Black

New Finish - Solid Wood Frame with Veneer core

1 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

