

PRODUCT CODES: EL125XX (EL12505, EL12530)

NAME: ENVIROTHANE 125 LOW SLIP CLEAR SELF SEAL TOPCOAT

AVAILABLE SHEENS: EL125 05 5 Gloss - Dead Flat
EL125 30 30 Gloss - Satin

DESCRIPTION: EL125XX series is a warm clear urethane topcoat that provides a low-slip, durable finish for wood floors and stairs. This product offers outstanding durability and stain resistance with the wood warmth of traditional solvent-based coatings, all in a low VOC water based finish that can readily be applied in the shop or on-site. The product can also be catalyzed with CAT100-LV hardener or crosslinked with CAT150 crosslinker to improve chemical, scratch, mar resistance and vertical flow.

USES: This product is specially designed for interior wood flooring and stairs. It can be sprayed, brushed or rolled on and is easy to touch up.

PRODUCT PREPARATION: Reduction is not required, but you may reduce the product with 3% RX010 reducer or 5-10% water if desired. Product should be at room temperature and mixed thoroughly prior to finishing to ensure consistency and gloss.

SANDING: Substrate should be sanded with 180 grit sandpaper prior to staining or coating. Sand between coats with 320 grit or Superfine Sponges. This product is intended to be used self-sealed.

CATALYST RATIOS USING CAT100-LV HARDENER	EL125 XX Series	by weight ~5%
	(approx. 4 hr pot life @5%)	1.2kg (1 cans) per 19.6kg (5 GA) pail 240g (1/5 can) per 3.9kg (1 GA)
		by volume ~10% (5:1)
		1.06L (1 cans) per 5 GA 212mL/7.2oz.(1/5 can) per GA

CATALYST RATIOS USING CAT150 CROSSLINKER	EL125 XX Series	by weight ~ by volume
	Per Quart:	29 grams, 25mL ~ 0.9 fl oz.
	Per Gallon:	117 grams, 100mL ~ 3.4 fl oz.
	Per Pail (5 GA):	582 grams, 497mL ~ 17 fl oz.

RECOMMENDED APPLICATION:	Spray type:	Air Assisted Airless
	Fluid Pressure:	500-600 PSI
	Air Pressure:	25 PSI (triggered)
	Tips:	Kremlin Wagner Graco/CA and others
	Reduction: Hand Spray	04114, 06114, 09114, 09154 0950, 1150, 1350, 1360, 1380
	Reduction: Machine Spray (Recip or Rotary)	411, 413, 511, 513, 611, 613 0-3% RX010 or 0-10% Water 0-3% RX010 or 0-10% Water

RECOMMENDED APPLICATION:

Spray type:	Airless
Fluid Pressure:	2000-3000 PSI
Tips: Fine Finish, Ultra Finish or Skill Tip	306, 308, 408, 508, 06-17
Reduction: Hand Spray	0-3% RX010 or 0-10% Water
Reduction: Machine Spray (Recip or Rotary)	0-3% RX010 or 0-10% Water
Spray type:	HVLP (Turbine) 5 stage or higher
Air Pressure:	Max
Needle:	1.8-2.0 needle high solids air cap
Reduction:	3-5% ELRX010 or 10-15% water
Spray type:	Cup Gun (gravity)
Air Pressure:	25-35 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:	0-3% ELRX010 or 0-10% Water

PHYSICAL PROPERTIES:

Specific Gravity:	1.01 ± 2%
Viscosity:	600-800 cps. at 20°C
Solids Content:	21% by weight
Pot Life:	None
Flash Point:	>75°C
VOC's:	36 g/L, 0.29 lbs/GA
VOC's (Less Exempt):	146 g/L, 1.22 lbs/GA

DRYING TIMES:

Air dry: (20°C/68°F)	Dry to Touch	10 Minutes
	Dry to Sand	1 Hour
	Dry to Stack	8-12 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	20-30 Minutes
	Dry to Stack	3-4 Hours
Sun-Spot IR Cure: (Recommended)	Flash off	Not Required
	Full Cure	10 Minutes @60-70°C
	Cool Down	5-10 Minutes
	Product is dry to stack (or sand) after cooling	

TYPICAL SYSTEM: Substrate: Various Woods, oily or exotic woods will require a special sealer
Water based Wiping or Spray Stain, ELSWB104 or ELSSB100
EL125 XX Envirothane 100 Warm Clear Self Seal Topcoat
Sand using 320 grit sandpaper or Superfine sponges
EL125 XX Envirothane 100 Warm Clear Self Seal Topcoat

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 wash all equipment well. 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.