

PRODUCT CODES: ELNYW 800 XX (XX represents the sheen level)

AVAILABLE SHEENS: ELNYW80020 20 Sheen - Low Gloss
ELNYW80030 30 Sheen - Satin
ELNYW80050 50 Sheen - Semi Gloss

NAME: ENVIROTHANE 800 WHITE TOPCOAT

DESCRIPTION: Envirolak ELNYW 800XX is an opaque 1K white top coat that looks and feels outstanding and offers excellent stain resistance and anti-burnishing properties. It is very easy to spray and dries fast with exceptional coverage and high build. The 800 series meets KCMA standards and is suitable for tough environments like kitchens and bathrooms. It offers excellent levelling and anti-sag properties for vertical applications, excellent adhesion to most substrates and can be applied over our PRT9000 primer in 1-2 hours in simple air dry conditions. This product is not recommended for use with isocyanate hardeners but can be crosslinked with CAT150 Crosslinker at 3% for improved solvent and chemical resistance. When using CAT150 there will be an increase in viscosity overnight; mix 1:1 with fresh (uncatalyzed) material and add additional 2% CAT150 to return product to spray viscosity.

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. The 800 Series does not brush or roll that well, it is meant to be sprayed. For brushing or rolling apply multiple thinner coats reducing with 10-20% water. Product should be at room temperature and mixed thoroughly prior to finishing to ensure consistency and gloss.

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

EnviroLak

Technical Data Sheet
ELNYW 800 XX
Revision Date: 08/29/23

Spray type:	Cup Gun (gravity)
Air Pressure:	20-25 PSI
Tips:	1.5 - 1.8
Reduction:	Not required, water or RX010
Wet Film Build:	5-7 mils
Grams per 1/10 sq. metre: (250x400mm board)	14-20 grams (2.9g/wet mil)
Number of Coats:	1 - 2
Maximum Dry Film Build:	6 mils
Coating Temperature at Application:	18°C (65°F) or higher

PHYSICAL PROPERTIES:

Specific Gravity:	1.15 ± 2%
Viscosity:	3000 - 3500cps @20°C
Solids Content:	45% by weight
Pot Life:	None
Flash	>75°C
VOC's:	33 g/L, 0.28 lb/gal
VOC's (Less Exempt):	98 g/L, 0.82 lb/gal

SANDING:

Sand between coats with 320 grit or Superfine Sponges. It is recommended to use this product in combination with ELPR170 Envirothane 170 or ELPRT9000 White Primer as a basecoat.

DRYING TIMES:

Air dry: (20°C/68°F)

Dry to Touch	10-15 Minutes
Dry to Sand	1 Hour
Dry to Recoat	1-2 hours
Dry to Stack	Overnight

Note: 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 can greatly 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	4-6 Hours
Sun-Spot IR Cure:	Flash off	1-8 Minutes
	Direct Cure	5-8 Minutes @60-70°C (140-160°F)
	Rack Cure (Indirect no probe mode)	8-15 Minutes @10%+ power
	Cool	10-20 minutes
	Product is dry to sand (or stack) after cooling	

TYPICAL SYSTEMS: **Whites or Light Colours:**
Refinishing system
1st Coat ELPRT9000 1K or ELPRT170 2K White Primer
Level Sand using 320 grit sandpaper and V fine or S Fine sponges
Optional 2nd Primer ELPRT9000 or Envirothane 170 White Primer
Level Sand using 320 grit sandpaper and V fine or S Fine sponges
1 or 2 coats ELNYW800XX Envirothane 800 White Topcoat

TYPICAL SYSTEMS: **Whites or Light Colours:**
New Construction MDF
1st Coat ELPR170 1K or 2K White Primer
Sand using 320 grit sandpaper or fine sponge
2nd Coat ELPR170 1K or 2K White Primer
Level Sand using 320 grit sandpaper and V fine or S Fine sponges
1 or 2 coats ELNYW800XX Envirothane 800 White Topcoat

TYPICAL SYSTEMS: **Whites or Light Colours:**
New Construction Solid Wood, Veneers etc...
1st Coat ELPR170 2K or ELPRT9000 1K White Primer
Level Sand using 320 grit sandpaper and V fine or S Fine sponges
Optional 2nd Primer ELPR170 2K or ELPRT9000 1K White Primer
Level Sand using 320 grit sandpaper and V fine or S Fine sponges
1 or 2 coats ELNYW800XX Envirothane 800 White Topcoat

- 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** Use stainless steel (304/316) equipment for all water based products. When switching
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.