Envirolak

**Technical Data Sheet**
**ELNYW 800 XX**
**Revision Date: 02/17/23**

**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 drys 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.

**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 if desired or when brushing and rolling to improve leveling. Product should be at room temperature and mixed thoroughly prior to finishing to ensure consistency and gloss.

**Note:** 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.

**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 |

**Manufactured in Canada by Performance Finishing Solutions**
**4800 Eastgate Parkway, Units 3&4, Mississauga, Ontario, L4W 3W6**
**Tel: (905) 629-7007** **Fax: (905) 629-7865**
**www.envirolak.com**

Performance Finishing Solutions

| | | |
|---|---|---|
| | 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

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**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.