

**PRODUCT CODES:** ELNYW200XX  
(ELNYW20010, ELNYW20020, ELNYW20030, ELNYW20050, ELNYW20090)

**NAME:** ENVIROTHANE 200 WHITE TOPCOAT

<b>AVAILABLE SHEENS:</b>	ELNYW200 10	10 Gloss - Flat
	ELNYW200 20	20 Gloss - Low Gloss
	ELNYW200 30	30 Gloss - Satin
	ELNYW200 50	50 Gloss - Semi Gloss
	ELNYW200 90	90 Gloss - High Gloss

**DESCRIPTION:** ELNYW200XX series is a white urethane topcoat that looks and feels like conventional varnish but offers greater flexibility without harmful solvents. This product can be tinted to any off white or pastel colour, the coating is high build and suitable for tough environments like kitchens and baths when used as a 1K product and can also be catalyzed with CAT100-LV hardener to improve adhesion, vertical flow, chemical and mar resistance or crosslinked with CAT150 crosslinker to improve vertical flow, chemical and mar resistance. This product also has excellent levelling and anti-sag properties for vertical applications.

**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 with water or ELRX010 Reducer 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.

**Note:** When used as a 2K product with ELCAT100 the gloss of ELNYW200XX will increase with increasing amounts of the hardener. Using 5% ELCAT100 will increase gloss 4-5 units and using 10% ELCAT100 will increase gloss 9-10 units.

**CATALYST RATIOS  
USING CAT100-LV  
HARDENER**

**ELNYW200 XX**  
(approx. 2 hr pot life @~10%)  
(approx. 4 hr pot life @~5%)

**by weight 10%**  
2.4kg (2 cans) per 22.7kg (5 GA) pail  
480g per 4.54kg (1 GA)  
**by volume ~10%**  
2120mL/72oz.(2 cans) per 5 GA  
425mL/14.4oz.(2/5 can) per GA

**CATALYST RATIOS  
USING CAT150  
CROSSLINKER**

**ELNYW200 XX**  
Per Quart:  
Per Gallon:  
Per Pail (5 GA):

**by weight ~ by volume**  
34 grams, 29mL ~ 1 fl oz.  
135 grams, 116mL ~ 4 fl oz.  
680 grams, 582mL ~ 20 fl oz.

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## RECOMMENDED APPLICATION:

Spray type: Air Assisted Airless  
Fluid Pressure: 500-600 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  
Reduction: Hand Spray Not required  
Reduction: Machine Spray (Recip or Rotary) Not required

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 Not required  
Reduction: Machine Spray (Recip or Rotary) Not required

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: 3% ELRX010 or 10% Water

Brush: Medium/Firm Nylon or Polyester  
Roll: Mohair, Velour or 3/16 Microfiber  
Reduction: 3% ELRX010 or 10% Water

## PHYSICAL PROPERTIES:

Specific Gravity: 1.20 ± 2%  
Viscosity: 2000cps @20°C  
Solids Content: 40% by weight  
Pot Life: None  
Flash Point: >75°C  
VOC's: 88 g/L, 0.73 lb/gal  
VOC's (Less Exempt): 182 g/L, 1.52 lb/gal

Wet Film Build: 4-6 mils  
Grams per 1/10 sq. metre: (250x400mm board) 12-16g  
Number of Coats: 1-2 depending on desired look  
Maximum Dry Film Build: 5 mils

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

## SANDING:

Sand primer or in between coats with 320-400 grit sandpaper and refine with Superfine Sponges.

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## DRYING TIMES:

<b>Air dry:</b> (20°C/68°F)	Dry to Touch	20 Minutes
	Dry to Sand	2 Hours
	Dry to Recoat	4 hours at 4 wet mils (1K) 6 hours at 6 wet mils (1K) 2-3 hours at 4-6 wet mils (2K)
	Dry to Stack	Overnight

Note: Good 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.

<b>Conventional Oven:</b> (40-45°C/104-113°F)	Dry to Touch	10 Minutes
	Dry to Sand	30-60 Minutes
	Dry to Recoat	1-2 hours
	Dry to Stack	4-6 Hours
<b>Sun-Spot IR Cure:</b> (Recommended)	Flash off	1-2 Minutes
	Direct Cure	15-20 Minutes @60-70°C (140-160°F)
	Rack Cure (Indirect no probe mode)	30-40 Minutes @20%+ power
	Cool Down	10-20 minutes
	Product is dry to sand (or stack) after cooling	

## TYPICAL SYSTEMS:

### Whites or Light Colours:

Substrate: MDF  
ELPR170 or ELPR170TB or EPR160TB Primer 1K or 2K  
Sand using 320 grit sandpaper or fine sponge  
ELPR170 or ELPR170TB or EPR160TB Primer 1K or 2K  
Sand using 320-400 grit sandpaper and refine with super fine sponges  
1 or 2 coats ELNYW200XX Topcoat 1K or 2K with CAT100LV or 2K with CAT150

Manufactured in Canada by Performance Finishing Solutions  
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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 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 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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