

**PRODUCT CODES:** ELACW400XX (ELACW40010, ELACW40020, ELACW40030)

**NAME:** ENVIROCRYL 400 WHITE TOPCOAT

**AVAILABLE SHEENS:** ELACW400 10 10 Gloss - Flat  
ELACW400 20 20 Gloss - Low Gloss  
ELACW400 30 30 Gloss - Satin

**DESCRIPTION:** ELACW400XX series is a white acrylic urethane topcoat that is easy to spray at low pressures, is fast drying and offers good feel and early block resistance in an economical package. This product can be tinted to any off white or pastel colour, has high build and is suitable for tough environments like kitchens and baths when used as a 1K product and can also be catalyzed with CAT100-LV hardener (4-6hr pot life) 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. 400 series can be applied over T9000 primer when used as a 1K in 1-2 hours in simple air dry conditions.

**USES:** This product is designed for interior wood finishing applications such as cabinetry, 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 application.

**CATALYST RATIOS  
USING CAT100-LV  
HARDENER**

**ELNYW400 XX**  
(4-6 hr pot life @~5%)

**by weight 5%**  
1.2kg (1 cans) per 22.7kg (5 GA) pail  
240g per 4.54kg (1 GA)  
**by volume ~5%**  
1060mL/36oz.(1 can) per 5 GA  
210mL/7.2oz.(1/5 can) per GA

**CATALYST RATIOS  
USING CAT150  
CROSSLINKER**

**ELNYW400 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.

# Envirolak

Technical Data Sheet  
ELACW400 XX  
Revision Date: 7/28/23

## RECOMMENDED APPLICATION:

Spray type:	Air Assisted Airless
Fluid Pressure:	400-600 PSI
Air Pressure:	25 PSI (triggered)
Tips:	04114, 06114, 09114, 09154 0950, 1150, 1350, 1360, 1380 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
Wet Film Build:	4-5 mils
Grams per 1/10 sq. metre: (250x400mm board)	12-15 grams (3g/wet mil)
Number of Coats:	1 - 2
Maximum Dry Film Build:	6 mils
Coating Temperature at Application:	18°C (65°F) or higher
Specific Gravity:	1.17 ± 2%
Viscosity:	3500 cps @20°C
Solids Content:	38.5% by weight
Flash Point:	>75°C
VOC's (Less Exempt):	170 g/L, 1.42 lb/gal

## PHYSICAL PROPERTIES:

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

**DRYING TIMES:**

<b>Air dry:</b> (20°C/68°F)	Dry to Touch	20 minutes
	Dry to Sand	1 hour
	Dry to Recoat	1-2 hours
	Dry to Stack	2 hours

Note: Gentle air movement (recirculator or fan) while parts are drying will reduce dry to sand times by 20-40%

<b>Conventional Oven:</b> (40-45°C/104-113°F)	Dry to Touch	10-15 Minutes
	Dry to Sand	30 Minutes
	Dry to Recoat	30-60 minutes
	Dry to Stack	1 hour

<b>Sun-Spot IR Cure:</b> (Recommended)	Flash off	2 Minutes
	Direct Cure	4-5 Minutes @60-70°C (140-160F)
	Rack Cure	10 minutes @10%+ power
	Cool Down	10-20 Minutes
	Product is dry to stack (or sand) after cooling	

**TYPICAL SYSTEMS: Whites or Light Colours:**  
**Refinishing system**  
ELPRT9000 1K or ELPR160TB 1K or 2K or ELPR170/170TB 2K with CAT100LV  
Sand using 320 grit sandpaper or fine sponges  
ELPRT9000 1K or ELPR160TB 1K or 2K or ELPR170/170TB 2K with CAT100LV  
Level Sand using 320 grit sandpaper and V fine or S Fine sponges  
1 or 2 coats ELACW400XX Topcoat 1K or 2K with CAT100LV or 2K with CAT150

**TYPICAL SYSTEMS: Whites or Light Colours:**  
**Substrate: MDF**  
ELPR170 or ELPR170TB 1K or 2K with CAT100LV  
Sand using 320 grit sandpaper or fine sponges  
ELPR170 or ELPR170TB 1K or 2K with CAT100LV  
1 or 2 coats ELACW400XX Topcoat 1K or 2K with CAT100LV or 2K with CAT150

**TYPICAL SYSTEMS:**   **Whites or Light Colours:**  
**Substrate: Natural woods and veneers**  
ELPRT9000 1K or ELPRT160TB 1K or 2K  
Sand using 320 grit sandpaper or fine sponges  
ELPRT9000 1K or ELPRT160TB 1K or 2K  
Level Sand using 320 grit sandpaper and V fine or S Fine sponges  
1 or 2 coats ELACW400XX Topcoat 1K or 2K with CAT100LV or 2K with CAT150

**GENERAL INFORMATION:**   Use stainless steel or plastic 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

Disclaimer: Every reasonable precaution is taken 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.