

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 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 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 and helps prevent bridging. 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 CAT150 CROSSLINKER	ELNYW400 XX	by weight ~ by volume
	Per Quart:	34 grams, 29mL ~ 1 fl oz.
	Per Gallon:	135 grams, 116mL ~ 4 fl oz.
	Per Pail (5 GA):	680 grams, 582mL ~ 20 fl oz.

Envirolak

Technical Data Sheet
ELACW400 XX
Revision Date: 9/9/24

RECOMMENDED APPLICATION:

Spray type:	Air Assisted Airless
Fluid Pressure:	400-600 PSI
Air Pressure:	25 PSI (triggered)
Tips:	04114, 06114, 09154
Kremlin	0950, 1150, 1350, 1360
Wagner	409, 411, 413, 511, 513, 611
Graco/CA and others	Not required
Reduction: Hand Spray	Not required
Reduction: Machine Spray (Recip or Rotary)	Not required
Spray type:	Airless
Fluid Pressure:	2000-3000 PSI
Tips:	306, 308, 408, 508, 04-17, 06-17
Fine Finish, Ultra Finish or Skill Tip	Not required
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 needle high solids air cap
Reduction:	0-5% ELRX010 or 0-10% water
Spray type:	Cup Gun (gravity)
Air Pressure:	25-35 PSI
Tips:	1.8 needle
Reduction:	0-5% ELRX010 or 0-10% water
Brush:	Medium/Firm Nylon or Polyester
Roll:	Mohair, Velour or 3/16 Microfiber
Reduction:	0-3% ELRX010 or 0-10% water
Wet Film Build:	4-6 mils
Grams per 1/10 sq. metre: (250x400mm board)	13-19 grams (3.2g/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:	1.25 ± 2%
Viscosity:	3500 cps @20°C
Solids Content:	48% by weight (35% by vol.)
Flash Point:	>75°C
VOC's (Less Exempt):	117 g/L, 0.99 lb/gal

PHYSICAL PROPERTIES:

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

DRYING TIMES:

Air dry:
(20°C/68°F)

Dry to Touch	20 minutes
Dry to Sand	1 hour
Dry to Recoat	1-2 hours
Dry to Stack	Overnight

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	10-15 minutes
Dry to Sand	30 minutes
Dry to Recoat	30-60 minutes
Dry to Stack	4-6 hours

Sun-Spot IR Cure:
(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 - over old finishes

Prep: Degrease, premix 1 part RX110 (EnviroKlean) - 4 parts water, spray on surface, scrub with maroon scotchbrite or stiff nylon brush to loosen grease and contamination, wipe clean with wet rag with water to remove EnviroKlean, wipe again with a dry rag to remove any remaining EnviroKlean or grease, allow to dry and sand with 180 grit or fine sponges

ELPRT9000 1K or ELPR160TB 1K or ELPR170/170TB 2K with CAT100LV
Sand using 320 grit sandpaper or fine sponges
ELPRT9000 1K or ELPR160TB 1K 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 crosslinked with CAT150

TYPICAL SYSTEMS: **Whites or Light Colours:**
Substrate: MDF
ELPR160-TB 1K or ELPR170 or ELPR170TB 1K or 2K with CAT100LV
Sand using 320 grit sandpaper or fine sponges
ELPR160-TB 1K or ELPR170 or ELPR170TB 1K or 2K with CAT100LV
Level Sand using 320 grit sandpaper and V fine or S Fine sponges
1 or 2 coats ELACW400XX Topcoat 1K or crosslinked with CAT150

Whites or Light Colours:
Substrate: Natural woods and veneers
ELPRT9000 or ELPRT160-TB 1K
Sand using 320 grit sandpaper or fine sponges
ELPRT9000 or ELPRT160-TB 1K
Level Sand using 320 grit sandpaper and V fine or S Fine sponges
1 or 2 coats ELACW400XX Topcoat 1K or crosslinked 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.

