

PRODUCT CODES: ELAC50030, ELAC50020, ELAC50010

AVAILABLE SHEENS: ELAC50010 10 Gloss - Flat
ELAC50020 20 Gloss - Low Gloss
ELAC50030 30 Gloss - Satin

NAME: ENVIROCRYL 500 CRYSTAL CLEAR ACRYLIC URETHANE SELF SEAL TOPCOAT

DESCRIPTION: ELAC500XX series is a water white clear acrylic urethane topcoat that is easy to spray at low pressures, is fast drying and offers excellent clarity, waxy feel, early block resistance and excellent sanding making it a great self-seal product. This coating 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 is not intended to be tinted (use 510XX).

USES: This product is designed as a clearcoat for interior wood finishing applications such as cabinetry, furniture and millwork.

PRODUCT PREPARATION: Reduction is generally not required. Product should be at room temperature and mixed thoroughly prior to finishing to ensure consistency and gloss.

2K MIXING RATIOS:

	CAT100-LV Hardener (5%)	CAT150 Crosslinker (3%)
QT		29 grams/25mL/0.9floz.
GA	240g/200mL	117 grams/100mL/3.4floz.
5GA	1.2kg (1 jar)	582 grams/497mL/17floz.

SANDING: Substrate should be sanded with 180 grit sandpaper prior to finishing. Use Self-Sealed sanding the first coat with 320 grit or Superfine Sponges.

RECOMMENDED APPLICATION:

Spray type:	Air Assisted Airless
Fluid Pressure:	400-600 PSI
Air Pressure:	20-25 PSI (triggered)
Tips:	Kremlin 04114, 06114, 09114, 09154 Wagner 0950, 1150, 1350, 1360, 1380 Graco/CA and others 411, 413, 511, 513, 611, 613

**RECOMMENDED
APPLICATION:**

Spray type:
Fluid Pressure:
Tips: Fine Finish or Ultra Finish
Reduction:

Airless
1500-2000 PSI
308, 408, 508
Not required, water or RX010
optional

**PHYSICAL
PROPERTIES:**

Spray type:
Air Pressure:
Tips:
Reduction:

Specific Gravity:
Viscosity:
Solids Content:
Flash Point:
VOC's (Less Exempt):

Cup Gun (gravity)
20-25 PSI
1.5 - 1.8
Not required, water or RX010
optional
1.02 ± 2%
1100-1300 cps @25°C
30% by weight (29% by volume)
>75°C
220 g/L, 1.85 lb/gal

DRYING TIMES:

**Air dry:
(20°C/68°F)**

Dry to Touch 20-25 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%

**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 1 hour

**Sun-Spot IR Cure:
(Recommended)**

Flash off 2 minutes
Direct Cure 4-5 minutes @60-70°C
Rack Cure 10-15 minutes @10%+ power
Cool Down 10-20 Minutes
Product is dry to stack (or sand) after cooling

TYPICAL SYSTEMS: Substrate: Cherry
ELSWB104 Wiping Stain (tinted)
ELSEAL500 Envirocyl 500 Clear Sealer or ELAC50020 Self-Sealed
Sand using 320 grit sandpaper
ELAC50020 Envirocyl Clear Topcoat 20 Sheen

Substrate: MDF
ELPR160-TB Envirocyl White Primer (2 coats to fill), Sand 320
ELACW40020 Envirocyl 400 White Topcoat
ELDGB100 Dry Glaze (tinted)
Scuff sand 320 to remove glaze and abrade colourcoat
ELAC50020 Envirocyl Clear Topcoat 20 Sheen

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.