

PRODUCT CODES: ELNYC900 00

AVAILABLE SHEENS: ELNYC900 00 Ultra-matte (0-2 sheen)

NAME: ENVIROTHANE 900 RAW CLEAR NATURAL EFFECT 0 SHEEN

DESCRIPTION: ELNYC900 00 Raw is a clear urethane topcoat that can be used to achieve the look of raw, unfinished wood, while adding the protection of a high quality wood finish. The product is easy to spray through all types of spray equipment and is capable of achieving gloss values less than 1 when applied to wood substrates. Despite being an "ultra-low" sheen product the 900 00 Raw offers outstanding mar resistance and doesn't "wet" (darken) the wood substrate, leaving a very natural looking finish. For best performance on cabinetry or furniture it is recommended to add 2-3% CAT150 Crosslinker (no wood wetting) Adding CAT100-LV Hardener at 3-10% will add some wood wetting and increase clarity for use over stains when muting the wood is not desired, 10% addition will increase the gloss to 2 sheen). ELNYC900 00 can also be tinted to any dark colour for the ultimate 0.5-2 sheen solid dark colour system with self healing anti scratch and non marring properties. For decorative applications such as ceiling panels ELNYC900 00 can be used as a one component finish.

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

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

2K MIXING RATIOS:

	CAT150 Crosslinker (2%)	CAT100-LV Hardener (10%)
QT	20 grams/18mL/0.6 oz.	120 grams/100mL/3.6 oz
GA	80 grams/65mL/2.3 oz	480 grams/400mL/12.8 oz
5GA	385 grams/330mL/11 oz	1200 grams/945mL/36 oz
	No Pot Life	4 Hour Pot Life

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

RECOMMENDED APPLICATION:

Spray type:

Fluid Pressure:

Air Pressure:

Tips:

Kremlin

Wagner

Graco/CA and others

Air Assisted Airless

300-600 PSI

30 PSI (triggered)

03114, 04114, 06114, 06154

0950, 1150, 1350, 1360

411, 413, 511, 513, 611

RECOMMENDED APPLICATION:

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

Airless
1500-2000 PSI
306, 308, 408, 508
Not required.

Spray type:
Air Pressure:
Tips:
Reduction:

Cup Gun (gravity)
25-30 PSI
1.5 - 1.8
Not required

Spray type:
Air Pressure:
Needle:
Reduction:

HVLP (Turbine) 5 stage or higher
Max
1.8 needle high solids air cap
Not required

Brush:
Roll:
Reduction:

Medium/Firm Nylon or Polyester
Mohair, Velour or 3/16 Microfiber
0-3% ELRX010 or 0-10% water

Wet Film Build:
Grams per 1/10 sq. metre: (250x400mm board)
Number of Coats:
Maximum Dry Film Build:
Coating Temperature at Application:

3-4 mils
8-11 grams (2.6 grams/mil)
2
3-4 mils (full system 6 mils)
18°C (65°F) or higher

PHYSICAL PROPERTIES:

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

1.03 ± 2%
3500-4000 cps @22C
22% by wt.
>75°C
<5 g/l
9 g/l

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 2-4 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	5-10 minutes
	Dry to Sand	30 minutes
	Dry to Recoat	30-60 minutes
	Dry to Stack	1-2 hours
Sun-Spot IR Cure: (Recommended)	Flash off	not required
	Direct Cure	4-5 minutes @60-70°C/140-160°F
	Rack Cure	10-15 minutes @10%+ power
	Cool Down	15 Minutes
	Product is dry to stack (or sand) after cooling	

TYPICAL SYSTEMS:	Natural Look on White Oak & Various Woods (no wood wetting)
	Sand 180
	ELNYC900 00 Envirothane 900 Raw Clear Natural Effect +2% CAT150
	Sand using 320 grit sandpaper
	Super Matt Clear over Stains on Various Woods (wood wetting & more clarity)
	Sand 180
	ELNYC900 00 Envirothane 900 Raw Clear Natural Effect +10% CAT100LV
	Sand using 320 grit sandpaper
	Super Matt Solid Dark Colours on various woods (0.5-2 sheen)
	Sand 180
	ELNYC900 00 Envirothane 900 Raw Clear Natural Effect +2% CAT150 or 10% CAT100LV + 5% 896-9901 black tinter or tints of choice
	Sand using 320 grit sandpaper
	ELNYC900 00 Envirothane 900 Raw Clear Natural Effect +2% CAT150 or 10% CAT100LV + 5% 896-9901 black tinter or tints of choice

**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.