

PRODUCT CODES: ELAN51010, ELAN51020, ELAN51030

AVAILABLE SHEENS: ELAN51010 10 Gloss - Flat
ELAN51020 20 Gloss - Low Gloss
ELAN51030 30 Gloss - Satin

NAME: Envirocryl 510 Deep Tint Base Topcoat

DESCRIPTION: ELAN510XX series is an acrylic urethane deep tint base topcoat that is easy to spray at low pressures, is fast drying and offers a waxy feel and early block resistance in an economical package. This product can be tinted to any dark colour, has high build for great hiding with one coat coverage of 320 grit sanding scratches or previously painted surfaces. It is suitable for tough environments like kitchens and baths when used as a 1K product and can also be catalyzed with CAT100LV 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. 510 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 as a dark tint base topcoat for interior wood finishing applications such as cabinetry, furniture and millwork.

PRODUCT PREPARATION: This product is designed to be sprayed out of the can without the need for reduction but may be reduced with water or RX010 reducer if desired. Store 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	60g/50mL/1.8floz.	29 grams/25mL/0.9floz.
GA	240g/200mL/6.4floz.	117 grams/100mL/3.4floz.
5GA	1.2kg (1 jar)	582 grams/497mL/17floz.

RECOMMENDED APPLICATION:

Spray type:
Fluid Pressure:
Air Pressure:
Tips: Kremlin
Wagner
Graco/CA and others
Reduction:

Air Assisted Airless
400-600 PSI
30-35 Triggered Air
04114, 06114, 09114, 09154
0950, 1150, 1350, 1360, 1380
411, 413, 511, 513, 611, 613
Not required, water or RX010 optional

Envirolak

Technical Data Sheet
ELAN510XX
2024-11-20

RECOMMENDED APPLICATION:

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

Airless
1500-2000 PSI
306, 308, 408, 508
Not required, water or RX010 optional

Spray type:
Air Pressure:
Needle:
Reduction:

HVLP (Turbine) 5 stage or higher
Max
1.8 needle high solids air cap
Not required, water or RX010 optional

Spray type:
Air Pressure:
Tips:
Reduction:

Cup Gun (gravity)
30-35 PSI
1.8 needle
Not required, water or RX010 optional

Brush:
Roll:
Reduction:

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

PHYSICAL PROPERTIES:

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

1.03 ± 2%
4000-4500 cps @22C
31% by weight
>93°C
69 g/L, 0.57 lb/gal
190 g/L, 1.57 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%

DRYING TIMES:

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:

Dark 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 ELPR180/ELPR170/170TB 2K with CAT100LV
Sand using 320 grit sandpaper or fine sponges
ELPRT9000 1K or ELPR160TB 1K or ELPR180/ELPR170/170TB 2K with CAT100LV
Level Sand using 320 grit sandpaper and V fine or S Fine sponges
ELAN510XX Tinted Topcoat 1K or 2K with CAT150 or CAT100LV

Dark Colours:

Substrate: MDF

ELPRT9000 or ELPR160TB 1K or ELPR180/PR170/170TB 1K or 2K with CAT100LV
Sand using 320 grit sandpaper or fine sponges
ELPRT9000 or ELPR160TB 1K or ELPR180/PR170/170TB 1K or 2K with CAT100LV
Level Sand using 320 grit sandpaper and V fine or S Fine sponges
ELAN510XX Tinted Topcoat 1K or 2K with CAT150 or CAT100LV

Dark Colours:

Substrate: Natural woods and veneers

ELPRT9000 or ELPR160TB 1K or ELPR180/PR170/170TB 2K with CAT100LV
Sand using 320 grit sandpaper or fine sponges
ELPRT9000 or ELPR160TB 1K or ELPR180/PR170/170TB 2K with CAT100LV
Level Sand using 320 grit sandpaper and V fine or S Fine sponges
ELAN510XX Tinted Topcoat 1K or 2K with CAT150 or CAT100LV

**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 from direct sunlight and foreign material. Do not store at temperatures below 5°C/41°F.

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.