

PRODUCT CODES: ELCAT 100-LV

NAME: EnviroCat 100-LV Water Based Hardener, Low Viscosity

DESCRIPTION: ELCAT100-LV is an isocyanate based hardener for water based finishes to improve hardness, chemical resistance and adhesion. Using this hardener in a topcoat will increase the gloss of the product 5-10% depending on how much hardener you add. Using Hardener in any waterborne coating gives a pot-life of several hours after which the coating will begin to gel.

USES: This product is designed to be added to existing Envirolak products to enhance the performance of the cured finish. In topcoats, it will improve hardness, mar and scratch resistance as well as chemical resistance. Using it in basecoats will improve adhesion and water resistance as well as preventing veneer check.

PRODUCT PREPARATION: This product is moisture sensitive, if stored improperly it may turn hazy, cloudy or form a hard skin on the surface. If the product is hazy it should not be used. THIS PRODUCT NEEDS TO BE ADDED TO YOUR COATINGS UNDER MECHANICAL AGITATION AND MIXED FOR SEVERAL MINUTES TO ENSURE A SMOOTH FILM. ELCAT100-LV is supplied ready to use. Again, ELCAT100-LV will react with moisture so must be kept cool and dry at all times, be sure to tightly close all containers and use partial cans promptly.

POT LIFE: Temperatures above 80F or 27C will reduce pot life, the hotter it is the shorter the pot life will be. Material left in a fluid line under pressure will kick over before the liquid in the hopper or can kicks over, its best to release the pressure in your fluid line when taking breaks. Pot life data indicated below is based on 22C or 72F

RECOMMENDED USAGE LEVELS

ELPR170, ELPR170-TB or ELPR180):

(approx. 2 hr pot life @~5%)
(approx. 4 hr pot life @~2.5%)

by weight 5%

1.2kg (1 can) per 22.7kg (4 GA) pail
300g (1/4 can) per 5.65kg (1 GA)

by volume 5%

1060mL/36oz.(1 can)per 4 GA pail
240mL/8oz.(1/4 can) per GA

ELPR160-TB

(approx. 6 hr pot life @~5%)

by weight ~5%

1.2kg (1 can) per 20.9kg (4 GA) pail
300g (1/4 can) per 4.9kg (0.94 GA)

by volume ~5%

1060mL/36oz.(1 can)per 4 GA pail
240mL/8oz.(1/4 can) per GA

**RECOMMENDED
USAGE LEVELS
CONT'D**

ELPR250

(approx. 20-30 min pot life @10%)
(approx. 60 min pot life @10% with the
addition of 12% water)

by weight 10%

2.4kg (2 cans) per 22.7kg (4 GA) pail
600g (1/2 can) per 5.65kg (1 GA)

ELNYW200 XX

(approx. 2 hr pot life @~10%)
(approx. 4 hr pot life @~5%)

by weight 10%

2.4kg (2 cans) per 22.7kg (5 GA) pail
480g per 4.54kg (1 GA)

by volume ~10%

2120mL/72oz.(2 cans) per 5 GA
425mL/14.4oz.(2/5 can) per GA

ELACW400 XX

(approx. 6 hr pot life @~5%)

by weight 5%

1.2kg (1 can) per 22.7kg (5 GA) pail
480g per 4.54kg (1 GA)

by volume ~5%

1060mL/36oz.(1 can) per 5 GA
210mL/7.2oz.(1/5 can) per GA

EL100 XX or ELNYC300 XX

(approx. 2 hr pot life @10%)
(approx. 4 hr pot life @5%)

by weight ~10%

2.4kg (2 cans) per 19.6kg (5 GA) pail
480g (2/5 can) per 3.9kg (1 GA)

by volume ~10% (10:1)

2.12L (2 cans) per 5 GA
425mL/14.4oz.(2/5 can) per GA

ELAC500 XX

(approx. 6 hr pot life @~5%)

by weight ~5%

1.2kg (1 can) per 19.6kg (5 GA) pail
240g (1/5 can) per 3.9kg (1 GA)

by volume ~5% (20:1)

1.06L (1 can) per 5 GA
215mL/7.2 oz.(1/5 can) per GA

Envirolak

Technical Data Sheet
ELCAT100-LV
by weight 10%

**PHYSICAL
PROPERTIES:**

Specific Gravity:	1.13 +/-2%
Viscosity:	1000-2000 cps
Solids Content:	~65%
Pot Life:	Varies depending on qty and temp
VOC (material):	166g/L
Flash Point:	NA

**GENERAL
INFORMATION:**

ELCAT100-LV contains isocyanate and is a respiratory hazard. Use appropriate PPE which can include a fresh air supplied respirator for spray application.

Please follow all other recommended application methods for the associated product you are using ELCAT100-LV in.

These products are designed for industrial use only. Please refer to the Safety Data Sheet prior to use.

SHELF LIFE:

8 months in unopened containers. Do not use material if it is hazy, this indicates a reaction with moisture and renders the product less effective.

STORAGE:

Store in a tightly closed container at room temperature (18-25°C/64-75°F) and protect from humidity, direct sunlight and foreign material.

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.