

## Envirolak

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** This product is moisture sensitive, if stored improperly it may turn hazy, cloudy or form **PREPARATION:** 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 ELPR170, ELPR170-TB or ELPR180): by weight 5%

USAGE LEVELS (approx. 2 hr pot life @~5%) 1.2kg (1 can) per 22.7kg (4 GA) pail

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

(approx. 6 hr pot life @~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

Manufactured in Canada by Performance Finishing Solutions
4800 Eastgate Parkway, Units 3&4, Mississauga, Ontario, L4W 3W6
Tel: (905) 629-7007
Fax: (905) 629-7865





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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)

## ELNYW200 XX

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

#### **ELACW400 XX**

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

#### EL100 XX or ELNYC300 XX

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

## **ELAC500 XX**

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

#### by weight 10%

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

## 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

### by weight 5%

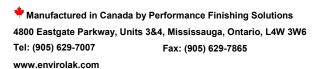
1.2kg (1 can) per 22.7kg (5 GA) pail 480g per 4.54kg (1 GA) **by volume ~5%** 1060mL/36oz.(1 can) per 5 GA 210mL/7.2oz.(1/5 can) per GA

#### 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

## 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







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PHYSICAL Specific Gravity: 1.13 +/-2%
PROPERTIES: Viscosity: 1000-2000 cps

Solids Content: ~65%

Pot Life: Varies depending on qty and temp

VOC (material): 166g/L Flash Point: NA

GENERAL ELCAT100-LV contains isocyanate and is a respiratory hazard. Use appropriate PPE

**INFORMATION:** 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.

