

PRODUCT CODES: ELCAT 100

NAME: EnviroCat 100 Water Based Hardener

DESCRIPTION: ELCAT100 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.** ELCAT 100 is supplied ready to use. Again, ELCAT100 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.

RECOMMENDED USAGE LEVELS

ELPR170 (PR170-TB or PR180):
(approx. 3 hr pot life @4.4%)
(approx. 5 hr pot life @2.2%)

by weight 4.4%
1kg (1 can) per 22.7kg (4 GA) pail
250g (1/4 can) per 5.65kg (1 GA)
by volume 5.65% (17.7:1)
854mL/29oz.(1 can)per 4 GA pail
214mL/7.2oz.(1/4 can) per GA

ELNYW200 XX or ELACW400XX
(approx. 2 hr pot life @8.8%)

by weight 8.8%
2kg (2 cans) per 22.7kg (5 GA) pail
400g per 4.54kg (1 GA)
by volume ~9% (11:1)
1708mL/58oz.(2 cans) per 5 GA
342mL/14.4oz.(2/5 can) per GA

EL100 XX or ELNYC300 XX
(approx. 3 hr pot life @10%)

by weight ~10%
2kg (2 cans) per 19.6kg (5 GA) pail
400g (2/5 can) per 3.9kg (1 GA)
by volume ~10% (10:1)
1708mL/58oz.(2 cans) per 5 GA
342mL/14.4oz.(2/5 can) per GA

Envirolak

Technical Data Sheet
ELCAT100
Revision Date: 2/24/2022

PHYSICAL PROPERTIES:

Specific Gravity:	1.17 +/-2%
Viscosity:	Viscous (~4000 cps)
Solids Content:	~80%
Pot Life:	Varies, 2-4 hours
Flash Point:	NA

GENERAL INFORMATION:

ELCAT 100 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 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.