



## EcoLogic 705: Waterbased Epoxy Topcoat

### Description

EcoLogic Waterbased Epoxy is a two component, heavy duty low VOC water based epoxy with excellent scrub and mar resistance and an extremely long pot life (up to 24 hours depending on environmental conditions). This interior/exterior low odor epoxy has excellent gloss retention and yellowing resistance as well as good chemical, stain and solvent resistance. EcoLogic Waterbased Epoxy is a versatile high performance, fast drying coating that comes in three sheens (satin, semi-gloss and gloss) and can be used on almost all substrates including steel, concrete, wood, drywall, plastics and composites including light industrial floor applications.

### Coating Properties

<b>Coating Category</b>	WaterBase AcrylicEpoxy
<b>Mix Ratio</b>	4:1
<b>Pot Life @ 50% RH, 25°C (77°F)</b>	24 hours
<b>Induction Time</b>	30 - 60 minutes at 25°C (77°F).
<b>Gloss</b>	High Gloss, Semigloss, and Satin/Eggshell depending on catalyst used.
<b>In-service Temperature Limits</b>	
<b>Continuous:</b>	93°C (200°F)
<b>Intermittent:</b>	121°C (250°F)
<b>Product VOC (g/L)</b>	<150

### Coverage Information

<b>Volume Solids</b>	36% May vary by base/color
<b>Theoretical Coverage</b>	575 ft <sup>2</sup> /gal (14 m <sup>2</sup> /L) @ 1 mil DFT These coverage rates are based on 100% transfer efficiency
<b>Recommended Film Thickness</b>	Wet: 4.0 - 6.0 mils (110 - 150 microns) Dry: 1.5 - 2.0 mils (38 - 50 microns)
<b>Applied Coverage</b>	<i>Actual coverage will vary depending on substrate and application method. Please contact your Cloverdale Industrial Representative for specific project recommendations.</i>

### Approvals / Certifications

- AWWA D102 - OCS 7
- MPI 115, MPI 215
- CFIA D1, D3

### Benefits

Alkali Resistant  
Direct to Metal Application  
Excellent Gloss Retention  
Fast Dry  
Good Flexibility on Aging  
Low VOC  
Self-Priming  
VOC Compliant

### Markets / End-Uses

Plant Maintenance  
Commercial Transport  
Oil Field/Refinery Work  
Hospitals  
Laboratory Walls

### Bases

70503A White Base  
70504A Clear Base  
70503B Catalyst  
70504B Catalyst  
70505B Catalyst

### Part B Products

Use 70503B for High Gloss  
Use 70504B for Semi Gloss  
Use 70505B for Satin/Eggshell





**Substrates and Surface Preparation**

All surfaces must be clean, dry and free from loose mill scale, weld spatter, oils, grease, wax, dust or any other foreign contaminant affecting adhesion.

**Minimum preparation as follows:**

**Ferrous:** SSPC-SP 2/3 Hand/Power Tool Clean. SSPC-SP 6 Commercial Blast preferred.

**Non-Ferrous:** SSPC-SP 2/3 Hand/Power Tool Clean. SSPC-SP 16 Brush Off Blast preferred.

**Galvanized:** SSPC-SP 2/3 Hand/Power Tool Clean. SSPC-SP 16 Brush Off Blast preferred.

**Concrete:** SSPC-SP 13 Preparation of Concrete.

- New concrete must be aged a minimum of 28 days.
- All concrete should be tested for moisture before proceeding.
- Surface hardened concrete should be mechanically abraded to provide adequate profile.

**Wood:**

- Knots, pitch staining and streaks must be spot primed with appropriate stain blocking primer.
- Sand to a smooth uniform surface and ensure all existing coating is well adhered.

**Previously Painted:** SSPC-SP 2/3 Hand/Power Tool Clean.

A test patch is recommended to verify coating compatibility and ensure adhesion to the substrate is not affected.

**System Recommendations**

Contact your Cloverdale Technical Representative for system recommendations.

**Mixing Instructions**

4 Parts A to 1 Part B

- Stir Part A and Part B separately.
- Slowly pour Part B into Part A while mixing well.
- After combining, continue mixing for several minutes more.

**Methods of Application**

**Application Parameters**

Relative Humidity	Not to exceed 85%
Minimum Temperature	10°C (50°F)
Maximum Temperature	35°C (95°F)

**Equipment Settings**

<b>Airless Spray</b>	Min. Fluid Capability	3000 psi
	Tip Size	.013" - .015"
<b>Air Spray</b>	Pot Pressure	10 – 20 psi
	Atomizing Air	45 – 65 psi
	Nozzle Set	1.0 - 1.4
<b>Air Assisted Airless</b>	Min Fluid Capability	2000 psi
	Atomizing Air	20 - 60 psi
	Tip Size	0.13" - .015"
<b>Brush/Roll</b>	• Lap marks may be visible.	

**Substrates**

Aluminum  
Brick  
Concrete / Masonry  
Concrete Masonry Units  
Ferrous Metals  
Non-Ferrous Metals  
Old or Damaged Galvanizing  
Particle Board  
Plastic  
Prepainted Drywall / Gypsum  
Pre-Painted Surfaces  
Wood

**Thinner**

Not recommended.

**Equipment Cleaning**

Water

**Product Weight**

70503A 9.17 lbs/gallon kit  
70503B 1.73 lbs/gallon kit

**Shelf Life**

3 years on Part A  
2 years on Part B  
Applicable only for material stored in unopened, undamaged factory filled containers stored at 4°C-38°C (39°F-100°F). Subject to reinspection.

**Package Size**

1 gallon kit  
5 gallon kit





• Use solvent resistant equipment.

**Drying Times**

Substrate Temperature	Tack Free	Dry to Handle	Hard Dry
25°C (77°F)	30 min	2 hrs	6 - 8 hrs
40°C (104°F)	30 min	1 hr	3 hrs

**Recoat Times**

Substrate Temperature	Minimum Recoat	Maximum Recoat	Normal
25°C (77°F)	2 hrs	indefinite	7 - 8 hrs
40°C (104°F)	1 hrs	indefinite	4 hrs

**Limitations**

This product is not recommended for floors subjected to oils, grease and strong chemicals or high abrasion such as fork lifts or vehicular traffic.

**Safety Precautions**

**This product is for Industrial use only.**

**WARNING!** If you scrape, sand or remove old lead paint from any surface you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Carefully clean up with a wet mop or HEPA vacuum. For additional information, Canadian customers contact the Product Safety division of Health Canada at 1-800-O-CANADA, US customers contact the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323).

**WARNING! Use with Adequate Ventilation.** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**WARNING! Proper breathing PPE must be worn during application. Refer to Safety Data Sheet for proper health and safety information, located at [www.cloverdalepaint.com](http://www.cloverdalepaint.com)**

**Updates**

Please visit [www.cloverdalepaint.com](http://www.cloverdalepaint.com) for the most recent versions of Technical Data Sheets and Safety Data Sheets.

**Last Modification date:** 08/25/2017

**LIMITATION OF LIABILITY**

To the best of our knowledge, the technical data contained herein are true and accurate at the time of issuance but are subject to change without prior notice. We guarantee our product to conform to the specifications contained herein. All technical advice, recommendations and services regarding this product are rendered by the Seller gratis. They are based on technical data which the Seller believes to be reliable and are intended for use by persons having skill and know-how, at their discretion and risk. Seller assumes no responsibility for results obtained or damages incurred from this product use by Buyer whether as recommended herein or otherwise. Such recommendations, technical advice or services are not to be taken as a license to operate under or suggest infringement of any patent.

**WARRANTY**





Cloverdale Paint Inc. warrants its products to be free from defects in material and workmanship. At its option, Cloverdale Paint Inc. will either replace products not conforming to this warranty or credit the Buyer's account the invoiced amount for the non-conforming products. This is Cloverdale Paint Inc.'s sole obligation and Buyer's exclusive remedy in connection with the products. In no event shall Cloverdale Paint Inc. be liable for special, indirect, consequential or incidental damages.

By purchasing this product the Buyer accepts this warranty in lieu of all others, and waives all claims to any other remedy arising from any warranty or guarantee of quality, whether such warranty or guarantee of quality was made expressly to the Buyer or implied by any applicable law.

Any claim under this warranty must be made in writing by the Buyer to Cloverdale Paint Inc. within ten (10) days of discovery of the claimed non-conformance, but in no event later than one (1) year from the delivery date. The Buyer's failure to notify Cloverdale Paint Inc. of such non-conformance as required herein shall bar the Buyer from recovery under this warranty.

**READ LABEL AND SAFETY DATA SHEET PRIOR TO USE.**

