

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

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

Coverage Information

Volume Solids	36% May vary by base/color
Theoretical Coverage	575 ft²/gal (14 m²/L) @ 1 mil DFT These coverage rates are based on 100% transfer efficiency
Recommended Film Thickness	Wet: 4.0 - 6.0 mils (110 - 150 microns) Dry: 1.5 - 2.0 mils (38 - 50 microns)
Applied Coverage	Actual coverage will vary depending on substrate and application method. Please contact your Cloverdale Industrial Representative for specific project recommendations.

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

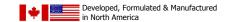
Bases

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





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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

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

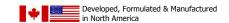
Shelf Life

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

Updates

Please visit www.cloverdalepaint.com for the most recent versions of Technical Data Sheets and Safety Data Sheets.

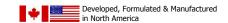
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LIMITATION OF LIABILITY

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





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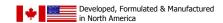
Cloverdale Paint Inc. warrants its products to be free from defects in material and workmanship. At its option, Cloverdale Paint Inc. will either replace products not conforming to this warranty or credit the Buyer's account the invoiced amount for the non-conforming products. This is Cloverdale Paint 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.





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