

# Ecologic Water-borne Epoxy

## General Properties

Ecologic Waterborne Epoxy is a two-component Acrylic Epoxy providing the higher performance levels of a 2K epoxy combined with the user friendliness and low VOCs of a water-based product. This product features excellent gloss retention, yellowing resistance, low odour and non-flammability combined with good chemical, stain and solvent resistance. It also has excellent scrub and mar resistance. Meets Environment Canada's VOC emission standards and is HAPS free. It is approved by the Master Painter's Institute under category # 115.

## Recommended Uses

As an interior/exterior high performance coating for vertical drywall, concrete, masonry, wood, primed metal, some plastics and composite materials. Ideally suited for use in institutions, schools, hospitals, etc. which may be subjected to germicidal cleaning. Catalyze with 70503 B for High Gloss, 70504 B for Semi Gloss and 70505 B for Satin/Eggshell. For use on industrial machinery and equipment, oil and gas process equipment, pipe racks, storage tank exteriors, drilling and service equipment and structural steel. Not recommended for immersion service or high corrosion areas.

## Product Information

**GENERIC TYPE**  
Acrylic Epoxy

**PIGMENT TYPE**  
Titanium Dioxide and lightfast colours

**COLOR**  
White and Custom Colors

**BASES**  
70503(A) White, 70504(A) Clear

**FINISH**  
70503(B) Gloss, 70504(B) Semi Gloss, 70505(B) Satin/Eggshell

**AVERAGE VOLUME SOLIDS**  
36%

**AVERAGE WEIGHT SOLIDS**  
47%

**RECOMMENDED FILM THICKNESS**  
**Wet:** 4.4 - 5.9 mils (110 - 150 microns)  
**Dry:** 1.5 - 2 mils (38 - 50 microns)

**THEORETICAL COVERAGE**  
273 - 364 ft<sup>2</sup>/gal (6.7 - 8.9 m<sup>2</sup>/L)

**VISCOSITY**  
75 - 80 KU

**MIX RATIO**  
4 parts 70503(A) to 1 part (B)

**POT LIFE**  
24 hours @ 20° C  
*shorter at higher temperatures*

**V.O.C. AS APPLIED**  
With 70503(B) catalyst - 146 g/L  
With 70504(B) catalyst - 149 g/L  
With 70505(B) catalyst - 148 g/L

**THINNER**  
Water

## Methods of Application

**AIRLESS SPRAY** 1800 - 2500 psi pump pressure, .011" - .013" tip size

**H.V.L.P.** 10 psi cap pressure 1.1 - 1.3 needle set.

**CONVENTIONAL** 50 - 60 psi atomizing pressure

**BRUSH / ROLLER** Synthetic brush and 10 - 15 mm lint-free roller.

**Drying Time** - Temperature, Relative Humidity, and Film Thickness will affect dry and re-coat times.

Substrate Temperature	Touch Dry	Hard Dry	Minimum	Overcoat Interval	
				Maximum	Normal
25 C.	30 min.	4 hours	4 hours		12 hours

**Recommended Primer**

**Ferrous or non-ferrous metals:** 703 Series EcoLogic Rustex Primer, self priming

**Plastics and other composites:** 05910 Acrylic Speed Primer

**Surface Preparation**

All surfaces must be clean, dry and free of all surface contaminants. Bare steel should be primed with a suitable anti-corrosive primer for best results. All loose and flaking paint must be removed. Application and substrate temperatures should not be less than 10 C or more than 35 C. Relative Humidity must be less than 85%. Glossy old paints must be scarified or a suitable bonding primer used prior to topcoating with this product. This product cannot be used un-catalyzed (see Mixing Instructions). Keep From Freezing.

**Limitations**

Not for immersion service or severely corrosive environments.

**Mixing Instructions**

Mix components A and B thoroughly before mixing. Add one part component B to four parts A, mix well and allow 30 - 60 minutes induction time prior to using. **Caution: Do not use catalyzed material beyond its recommended pot life.**

**Safety Precautions**

**For detailed Health and Safety information refer to MSDSheet**

**Warning:**

This product is non-flammable. USE WITH ADEQUATE VENTILATION. Close container after each use. Keep out of reach of children. Do not take internally.

**First Aid:**

In case of eye contact, flush immediately with plenty of water for at least 15 minutes. Wash contaminated skin with soap and water. If ingested, call physician or the Poison Control Centre immediately.

**Storage and Handling**

<b>FLASH POINT</b>	N/a
<b>PRODUCT WEIGHT</b>	10.38 lb/gal average (catalyzed). Container extra
<b>STORAGE</b>	Store in a secure location. Keep From Freezing
<b>PACKAGE SIZE</b>	1 gl. kits

Some package sizes or colors may be by special order only. Please check with your Cloverdale Representative when ordering.

**Warranty Disclaimer**

Cloverdale Paint manufactures quality products. In the event that this product is defective or in any way unsuitable for the application for which it is sold, Cloverdale Paint Inc. will replace the product free of charge. The warranty provided by this data sheet is the only warranty or guarantee of quality made in respect of this product by Cloverdale Paint Inc. By purchasing this product the customer 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 customer or implied by any applicable law.

Check for recent amendments to this data sheet at [www.cloverdalepaint.com](http://www.cloverdalepaint.com)

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