



# PRE-CATALYZED WATERBORNE EPOXY EGGSHELL V342

## Features

- Pre-catalyzed, waterborne acrylic epoxy
- Single pack – no catalyst
- Tints to all colors
- Excellent for retail, commercial, healthcare, schools and more
- Low VOC and water cleanup

## Recommended For

Properly Prepared and/or Primed Steel, Iron, Concrete, Non-Ferrous Metals, Wood & Drywall. Corotech® V342 Pre-Catalyzed WB Epoxy is designed for interior use in food and beverage processing, chemical processing, transportation, warehouses, industrial refurbishment, healthcare, schools, large commercial structures and other areas where a high performance epoxy is needed which concerns that accompany conventional solvent thinned epoxies.

## General Description

This unique product provides epoxy toughness in a ready-to-use waterborne formula for walls, ceilings and trim (not ideal for floors). Low VOC and water cleanup make this product ideal for use in occupied areas. The cured film is scrubbable, resists water and common cleaning chemicals, and stands up to abrasion and marring. Excellent adhesion to many surfaces, including existing paint, drywall, primed masonry and primed metal.

## Limitations

- Do not apply if material, substrate or ambient temperature is below 50 °F (10 °C) Relative humidity should be below 90%.
- Not recommended for floors.
- Interior Use Only

## Product Information

<b>Colors — Standard:</b> White (01)	<b>Technical Data</b> $\diamond$	<b>Pastel Base</b>																		
<b>— Tint Bases:</b> Pastel Base (85), Tint Base (86), Deep Base (87), Clear Base (88).  Tint with Universal Colorants Only	Vehicle Type	Pre-Catalyzed WB Epoxy																		
<b>— Special Colors:</b> Contact your retailer.	Pigment Type	Titanium Dioxide																		
<b>Certification &amp; Qualifications :</b>  The products supported by this data sheet contain a maximum of 100 grams per liter VOC / VOS (0.83 lbs. /gal.) excluding water & exempt solvents. Suitable for use in USDA inspected facilities Masters Painters Institute MPI #151 CDPH v1 Emission Certified Qualifies for CHPS low emitting credit (Collaborative for High Performance Schools)	Volume Solids	38 ± 1.0%																		
<table border="1" data-bbox="669 1289 946 1562"> <thead> <tr> <th>VOC REGION</th> <th>COMPLIANT</th> </tr> </thead> <tbody> <tr> <td>FEDERAL</td> <td>YES</td> </tr> <tr> <td>OTC</td> <td>YES</td> </tr> <tr> <td>OTCII</td> <td>YES</td> </tr> <tr> <td>CARB</td> <td>YES</td> </tr> <tr> <td>CARB07</td> <td>YES</td> </tr> <tr> <td>UTAH</td> <td>YES</td> </tr> <tr> <td>AZMC</td> <td>YES</td> </tr> <tr> <td>SCAQMD</td> <td>NO</td> </tr> </tbody> </table>	VOC REGION	COMPLIANT	FEDERAL	YES	OTC	YES	OTCII	YES	CARB	YES	CARB07	YES	UTAH	YES	AZMC	YES	SCAQMD	NO	Coverage per Gallon at Recommended Film Thickness	350 – 400 Sq. Ft.
VOC REGION	COMPLIANT																			
FEDERAL	YES																			
OTC	YES																			
OTCII	YES																			
CARB	YES																			
CARB07	YES																			
UTAH	YES																			
AZMC	YES																			
SCAQMD	NO																			
<b>Technical Assistance:</b> Available through your local authorized independent Benjamin Moore retailer. For the location of the retailer nearest you, call 1-866-708-9180 or visit <a href="http://www.benjaminmoore.com">www.benjaminmoore.com</a>	Recommended Film Thickness	<table border="1"> <tr> <td>– Wet</td> <td>4.0 - 4.6 mils</td> </tr> <tr> <td>– Dry</td> <td>1.5 - 1.7 mils</td> </tr> </table>	– Wet	4.0 - 4.6 mils	– Dry	1.5 - 1.7 mils														
– Wet	4.0 - 4.6 mils																			
– Dry	1.5 - 1.7 mils																			
Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure color uniformity and minimize the disposal of excess paint.	Dry Time @ 77 °F (25 °C) @ 50% RH	<table border="1"> <tr> <td>– Tack Free</td> <td>1 Hour</td> </tr> <tr> <td>– To Recoat</td> <td>2 Hours</td> </tr> <tr> <td>– Full Cure</td> <td>72 Hours</td> </tr> </table>	– Tack Free	1 Hour	– To Recoat	2 Hours	– Full Cure	72 Hours												
– Tack Free	1 Hour																			
– To Recoat	2 Hours																			
– Full Cure	72 Hours																			
High humidity and cool temperatures will result in longer dry, recoat and service times.	Dries By	Oxidation / Chemical Reaction																		
Viscosity	Flash Point	95 – 100 KU Greater than 200 °F (TT-P-141, Method 4293)																		
Gloss/Sheen	Surface Temperature at Application	Eggshell (10 - 15 @ 60°) <table border="1"> <tr> <td>– Min.</td> <td>50 °F</td> </tr> <tr> <td>– Max.</td> <td>90 °F</td> </tr> </table>	– Min.	50 °F	– Max.	90 °F														
– Min.	50 °F																			
– Max.	90 °F																			
Thin With	Clean Up Thinner	Water Warm, Soapy Water																		
Weight Per Gallon	Storage Temperature	10.8 lbs. <table border="1"> <tr> <td>– Min.</td> <td>45 °F</td> </tr> <tr> <td>– Max.</td> <td>95 °F</td> </tr> </table>	– Min.	45 °F	– Max.	95 °F														
– Min.	45 °F																			
– Max.	95 °F																			
<b>Volatile Organic Compounds (VOC)</b>	73 Grams/Liter	0.60 Lbs./Gallon																		

$\diamond$  Reported values are for Pastel Base. Contact retailer for values of other bases or colors.

## Pre-Catalyzed WB Epoxy Eggshell V342

### Surface Preparation

All surfaces must be sound, dry, clean and free of oil, grease, dirt, mildew, mill scale, form release agents, curing compounds, loose and flaking paint and other surface contaminants. Clean with Corotech® V600 Oil & Grease Emulsifier or V610 Citrus Based Cleaner. Remove all loose and peeling paint by wire brushing, scraping or sanding. Fill holes and cracks and sand smooth. Dull glossy surfaces by sanding. Moderate to heavily rusted surfaces must be thoroughly cleaned and properly primed.

**NEW SURFACES: Concrete and Masonry:** All vertical masonry surfaces must be allowed to cure a minimum of 30 days before painting. Acid etch or abrasive blast all slick, glazed concrete or concrete with laitance. For acid etching, follow all manufacturer's directions and safety instructions. We recommend Corotech® V620 Concrete Etch. Rinse thoroughly and allow to dry. Prime with one coat of Insl-x® Aqua Lock® Plus Primer Sealer.

**Steel and Ferrous Metals:** The use of Corotech® V110 Acrylic Metal Primer or V175 Waterborne Bonding Primer is recommended. All primers provide maximum performance over near white metal blasted surfaces (SSPCSP 10). There are however, situations and cost considerations that may prevent this type of surface preparation from being done. Corotech® Industrial Coatings have been designed to provide protection over less than ideal surfaces. The recommended standard is a commercial blast (SSPC-SP 6). The steel profile after the blast should be 1-2 mils and be jagged in nature. Surfaces must be free of grit dust. The coating should be applied as soon as possible after the blast in order to prevent flash rusting or surface contamination. Hand tool cleaning (SSPC-SP 2) or power tool cleaning (SSPC-SP 3) can be used if blasting is not possible. In areas where adequate surface preparation is not possible the use of V155 100% Solid Epoxy Pre-Primer is recommended. In highly corrosive areas where additional rust inhibitive qualities are required, prime with one coat of V170 Organic Zinc-Rich Primer prior to applying epoxy coatings.

**Galvanized and Non-Ferrous Metals:** Remove all oils from surface with Corotech® V600 Oil & Grease emulsifier. Solvent clean all surfaces [SSPC-SP 1]. Apply one coat of Corotech® V110 Acrylic Metal Primer or V175 Waterborne Bonding Primer.

**Wood:** Sand surfaces. Primer with Insl-x® Prime Lock Plus Alkyd Primer or Aqua Lock® Plus Acrylic Primer Sealer.

**Drywall:** Insure drywall is dust & chalk free. Prime with an acrylic drywall primer.

**Previously Painted Surfaces:** Can be applied over most existing industrial finishes in good condition.

**WARNING!** If you scrape, sand, or remove old paint, 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. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Informational Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

### Application

**Airless Spray (Preferred Method):** Tip range between .015 and .019. Total fluid output pressure at tip should not be less than 2400 psi.

**Air Spray (Pressure Pot):** DeVilbiss MBC or JGA gun, with 704 or 765 air cap and Fluid Tip E.

**Brush:** Synthetic Bristle only. / **Roller:** Synthetic Cover. 3/8" – 3/4" nap.

**NOTE:** Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with warm water. No reduction is necessary. Do not apply if material, substrate or ambient temperature is below 50 °F (10 °C). Relative humidity should be below 90%.

TEST DATA	
Flexibility (ASTM D1737)	Pass 1/8" Mandrel
Sag Resistance	6+ mils
Scrub Resistance	600+ cycles
Dry Heat Resistance	200°F
Wet Heat Resistance	150°F
Adhesion (ASTM D3359)	Pass 5B
Pencil Hardness (2 week cure)	6B
Block Resistance	Passes
Accelerated Weathering (ASTM G53) 500 Hrs	90% Gloss Retention < 0.25 DE Color Change
Abrasion Resistance (ASTM D4060) CS-10 Wheel, 1000g load	100 mg Loss
Salt Spray (ASTM B117) 2 coats over V110 primer (1000 Hours)	Rust Breakthrough: 10 Rust Area: 0.01%

SYSTEMS RECOMMENDATIONS	
PRIMERS	
Ferrous Metal (Blasted)	V110 Line, V150 Line, V155-00 or V160 Line
Ferrous Metal (Marginally Prepared)	V155-00 or V160 Line
Non-Ferrous Metal	V110 Line or V175-00
Concrete	V110 Line, V114-01, V155-00, V160 Line, V163-01, V400-00 Clear or Aqua Lock™ Primer Sealer
Drywall	Use Aqua Lock™ Primer Sealer or a good quality acrylic drywall primer
Wood	Use Prime Lock™ Alkyd Primer or Aqua Lock Acrylic Primer Sealer
Aged coatings	Use Direct (Check Compatibility) or use V110 Line as a barrier Coat
COMPATIBLE INTERMEDIATES	
V160 Line, V163-01	
For substrates other than listed above, or for usage in severe environmental conditions, please consult with Corotech® Technical Service.	

### Clean Up

Clean with warm, soapy water.

USE COMPLETELY OR DISPOSE OF PROPERLY. Dry empty containers may be recycled in a can recycling program. **Local disposal requirements vary; consult your sanitation department or state-designated environmental agency on disposal options.**

### Environmental Health & Safety Information

**Use only with adequate ventilation.** Do not breathe spray mist or sanding dust. Ensure fresh air entry during application and drying. Avoid contact with eyes and prolonged or repeated contact with skin. May cause allergic skin reaction. Avoid exposure to dust and spray mist by wearing a NIOSH approved respirator during application, sanding and clean up. Follow respirator manufacturer's directions for respirator use. Close container after each use. Wash thoroughly after handling.



**WARNING:** Cancer and Reproductive Harm—  
[www.P65warnings.ca.gov](http://www.P65warnings.ca.gov)

**FIRST AID:** In case of eye contact, flush immediately with plenty of water for at least 15 minutes; for skin, wash thoroughly with soap and water. If symptoms persist, seek medical attention. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

**IN CASE OF SPILL –** Absorb with inert material and dispose of as specified under "CleanUp".

**KEEP OUT OF REACH OF CHILDREN  
KEEP FROM FREEZING**

**Refer to Safety Data Sheet for  
additional health and safety information.**