



PRE-CATALYZED WATERBORNE EPOXY EGGSHELL V342

Features

- Pre-catalyzed, waterborne acrylic epoxy
- Single pack – no catalyst
- Tints to all colours
- Provides a mildew resistant coating
- 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 performance epoxy is needed.

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 10 °C (50 °F). The relative humidity should be below 90%.
- Not recommended for floors.
- Interior Use Only

Product Information

Colours — Standard:

White (01)

— Tint Bases:

Benjamin Moore® Gennex® bases 1X, 2X, 3X & 4X

Tint only with Gennex® Colorants

— Special Colours:

Contact your retailer.

Certifications & Qualifications :

The products supported by this data sheet contain a maximum of 100 grams per litre VOC / VOS excluding water & exempt solvents.

This product is compliant as a Non-Flat Coating.

Masters Painters Institute MPI #151

This product has been approved by CFIA (Canadian Food Inspection Agency) for use in Food Processing Facilities.

CDPH v1 Emission Certified

Anti-microbial - This product contains agents, which inhibit the growth of microbes on the surface of this paint film. This product contains antimicrobial additives that inhibit the growth of mold and mildew on the surface of the paint film.

Customer Information Centre:

1-800-361-5898, info@benjaminmoore.com, www.benjaminmoore.ca

Technical Data

White

Vehicle Type Pre-Catalyzed WB Epoxy

Pigment Type Titanium Dioxide

Volume Solids 38 ± 1.0%

Coverage per 3.79 L at Recommended Film Thickness 32.5 – 37.2 sq. m. (350 – 400 sq. ft.)

Recommended Film Thickness – 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 colour uniformity and minimize the disposal of excess paint.

Dry Time @ 25 °C (77 °F) @ 50% RH – 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 97 ± 5 KU

Flash Point Greater than 18.6 °C (200 °F) (TT-P-141, Method 4293)

Gloss/Sheen Eggshell (10 – 15 @ 60°)

Surface Temperature at Application – Min. 10 °C (50 °F)
– Max. 32.2 °C (90 °F)

Thin With Water

Clean Up Thinner Warm, Soapy Water

Weight Per 3.79 L 4.9 kg (10.8 lbs)

Storage Temperature – Min. 7.2 °C (45 °F)
– Max. 35 °C (95 °F)

Volatile Organic Compounds (VOC)

81.3 Grams/Litre

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. 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. Prime with an appropriate acrylic primer.

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.

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 or V175 Waterborne Bonding Primer.

Wood: Sand surfaces and then prime with an appropriate wood primer.

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 logging onto Health Canada @ <https://www.canada.ca/en/health-canada/services/environmental-workplace-health/environmental-contaminants/lead/lead-information-package-some-commonly-asked-questions-about-lead-human-health.html>

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. 9.53 mm – 19 mm (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 10 °C (50 °F). Relative humidity should be below 90%. Do not apply if within 5 degrees of dew point or if rain is expected within 12 hours of application.

CHEMICAL RESISTANCE GUIDE (NON-IMMERSION) *	
Hot Water	Excellent
Fresh Water	Excellent
Alcohol	Excellent
Vinegar	Excellent
Strong Alkalis (NaOH)	Excellent
Solvent (Xylene / M.S.)	Excellent
Industrial Cleaners	Excellent
* Ratings as compared to traditional high performance architectural coatings	

TEST DATA	
Flexibility (ASTM D1737)	Pass 3.2 mm (1/8") Mandrel
Sag Resistance	6+ mils
Scrub Resistance	600+ cycles
Dry Heat Resistance	93.2 °C (200 °F)
Wet Heat Resistance	65.6 °C (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 Colour 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 or V175
Concrete	V110, V155-00, V160 Line, V400-00 Clear or equivalent
Drywall	Use an acrylic drywall primer
Wood	Use Alkyd or Acrylic Primer Sealer
Aged coatings	Use Direct (Check Compatibility) or use V110 Metal Primer as a barrier Coat
COMPATIBLE INTERMEDIATES	
V160 Line	
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.

Environmental Health & Safety Information

WARNING: This product contains isothiazolinone compounds at levels of <0.1%. These substances are biocides commonly found in most paints and a variety of personal care products as a preservative. Certain individuals may be sensitive or allergic to these substances, even at low levels.

May cause allergic skin reaction.

Do not get on skin or clothing.

Use only in a well ventilated area. Keep container closed when not in use. In case of spillage, absorb with inert material and dispose of in accordance with local regulations. Wash thoroughly after handling.

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

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