



PRE-CATALYZED WATERBORNE EPOXY SEMI-GLOSS V341

Features

- Pre-catalyzed, waterborne acrylic epoxy
- Single pack – no catalyst
- Tints to all colors
- 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® V341 Pre-Catalyzed Waterborne 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. 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). The relative humidity should be below 90%.
- Not recommended for floors or for use in immersion service.
- Interior Use Only

Product Information

Colors — Standard:

White (01)

— Tint Bases:

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

Tint only with Gennex® Colorants

— Special Colors:

Contact your retailer

Certifications & Qualifications:

VOC compliant in all regulated areas except South Coast (SCAQMD)

Eligible for LEED® v4 Credit

CDPH v1 Emission Certified

Qualifies for CHPS low emitting credit
(Collaborative for High Performance Schools)

Suitable for use in USDA inspected facilities

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.

Technical Assistance

Available through your local authorized independent Benjamin Moore retailer. For the location of the retailer nearest you, call 1-866-708-9180 or visit www.benjaminmoore.com

Technical Data

White

Vehicle Type Pre-Catalyzed WB Acrylic Epoxy

Pigment Type Titanium Dioxide

Volume Solids 41.5 ± 1.0%

Coverage per Gallon at Recommended Film Thickness 350 – 450 Sq. Ft.

Recommended Film Thickness
– Wet 3.6 – 4.6 mils
– Dry 1.5 – 1.9 mils

Depending on surface texture and porosity.

Dry Time @ 77 °F (25 °C) @ 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 Evaporation/Oxidation

Viscosity 97 ± 5 KU

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

Gloss/Sheen Semi-Gloss (55 – 65 @ 60°)

Surface Temperature at Application
– Min. 50 °F
– Max. 90 °F

Thin With Water

Clean Up Thinner Warm, Soapy Water

Weight Per Gallon 10.3 lbs.

Storage Temperature
– Min. 45 °F
– Max. 95 °F

Volatile Organic Compounds (VOC)

75 Grams/Liter 0.62 Lbs./Gallon

◇ Reported values are for White. Contact retailer for values of other bases or colors.

Pre-Catalyzed Waterborne Epoxy Semi-Gloss V341

Surface Preparation

Prior to painting any surface, remove all grease, dirt and other surface contamination by applying a solution of Corotech® Oil & Grease Emulsifier V600. Remove all remaining loose paint, rust and mill scale via Hand Tool Cleaning (SSPC-SP 2) or Power Tool cleaning (SSPC-SP 3). Fill holes and cracks and sand smooth. Glossy surfaces must be fully deglossed. Moderate to heavily rusted areas must be thoroughly prepared and active rust should be properly removed.

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 (SSPC-SP 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 an 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 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 contacting the National Lead Informational Hotline at 1-800-424-LEAD or log on to 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%.

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 1/8" Mandrel
Sag Resistance	6+ mils
Scrub Resistance	600+ cycles
Dry Heat Resistance	200 °F
Wet Heat Resistance	150 °F
Adhesion (ASTM D3359)	Passes 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, V155-00, V160 Line, V163-01, 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 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

WARNING!

Possible birth defect hazard. Contains, Trimethylolpropane, which may cause birth defects based on animal data.

Use only with adequate ventilation. Do not breathe vapors, spray mist or sanding dust. Ensure fresh air entry during application and drying. Avoid contact with eyes and prolonged or repeated contact with skin. 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

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.

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 "Clean Up".

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

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