



PRE-CATALYZED WATERBORNE EPOXY SEMI-GLOSS V341

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® 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:

Pastel Base (85), Tint Base (86), Deep Base (87), Clear Base (88)

Tint with Universal Colorants Only

— Special Colors:

Contact your retailer.

Certifications & Qualifications:

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

CDPH v1 Emission Certified

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

VOC REGION	COMPLIANT
FEDERAL	YES
OTC	YES
OTCII	YES
CARB	YES
CARB07	YES
UTAH	YES
AZMC	YES
SCAQMD	NO

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	95 – 100 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)

71 Grams/Liter 0.59 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

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.

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, 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.

Environmental Health & Safety Information

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

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



WARNING Cancer and Reproductive Harm—
www.P65warnings.ca.gov

This document represents hazards of the product referenced above. Refer to the individual Safety Data Sheet for hazards of the specific product you will be using.

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

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