



# PRE-CATALYZED WATERBORNE EPOXY SEMI-GLOSS V341

## Features

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

## 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 odour, 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.

## Recommended For

Properly Prepared and/or Primed Steel, Iron, Concrete, Non-Ferrous Metals, Wood & Drywall. Corotech® V341 Pre-Catalyzed Waterborne Wall 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 without the odour concerns that accompany conventional solvent thinned epoxies.

## Limitations

- Do not apply if material, substrate or ambient temperature is below 10 °C (50 °F). The 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.
- Not recommended for floors or for use in immersion service.
- Interior Use Only

## Product Information

<b>Colours — Standard:</b> White (01)	<b>Technical Data</b> $\diamond$ <b>White</b> Vehicle Type Pre-Catalyzed WB Acrylic Epoxy Pigment Type Titanium Dioxide Volume Solids 41.5 $\pm$ 1.0%
<b>— Tint Bases:</b> Pastel Base (85), Tint Base (86), Deep Base (87), Clear Base (88).  Tint with Universal Colorants Only	Coverage per 3.79 L at Recommended Film Thickness 32.5 – 37.2 sq. m. (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.
<b>— Special Colours:</b> Contact your retailer.	Dry Time @ 25 °C (77 °F) @ 50% RH – Tack Free 1 Hour – To Recoat 2 Hours – Full Cure 72 Hours
<b>Certification:</b>  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. This product has been approved by CFIA (Canadian Food Inspection Agency) for use in Food Processing Facilities.	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 18.6 °C (200 °F) (TT-P-141, Method 4293) Gloss/Sheen 55 - 65 units @ 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 4.7 kg (10.3 lbs)
<b>Technical Assistance:</b> Available through your local authorized independent Benjamin Moore® retailer. For the location of the retailer nearest you, call 1-877-711-6830, or visit <a href="http://www.benjaminmoore.ca">www.benjaminmoore.ca</a>	Storage Temperature – Min. 7.2 °C (45 °F) – Max. 35 °C (95 °F) <b>Volatiles Organic Compounds (VOC)</b>  71 Grams/Litre

$\diamond$  Reported values are for White. Contact retailer for values of other bases or colours.

## 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® 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® Alkyd Primer or Aqua Lock® 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 logging onto Health Canada @ [http://www.hc-sc.gc.ca/ewh-sem/contaminants/lead-plomb/asked\\_questions-questions\\_posees-eng.php](http://www.hc-sc.gc.ca/ewh-sem/contaminants/lead-plomb/asked_questions-questions_posees-eng.php)

### 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 7.2 °C (45 °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.

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)	Passes 5B
Pencil Hardness (1 week cure)	2B
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%

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	

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, V175-00.
Concrete	V110 Line, V155-00, V160 Line, 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	
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.

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.**