Benjamin Moore

COROTECH® HIGH PERFORMANCE

WATERBORNE BONDING PRIMER V175

Features

- Waterborne acrylic
- Replaces traditional wash coat primers with an easier-to-use coating
- Low VOC, soap and water clean-up
- Sticks to slick and glossy surfaces
- Bonds to all metal substrates including tough to coat chrome, brass, stainless and aluminum

General Description

Waterborne Bonding Primer is a one-component bonding primer that may also be used as a rust-inhibitive universal primer. This product bonds to various metals creating a solid foundation for finishing coats. This product may be finish coated with a wide variety of coatings including alkyds, acrylics, epoxies, urethanes and moisture cured urethanes. Because of its versatility on all metals, Waterborne Bonding Primer will replace traditional wash coat primers and offers an easier-to-use alternative for all projects.

Recommended For

Ferrous & Non-Ferrous Metals. Corotech® Waterborne Bonding Primer is designed for use as a bonding coat on Chrome, Brass, Copper, Aluminum, Galvanized Metal and Stainless Steel. This product may also be used on ferrous metals and will offer a high degree of corrosion resistance when used with the proper topcoats. Must be topcoated.

Limitations

- Apply when temperatures are between 10 °C (50 °F) and 32.2 °C (90 °F) and with humidity levels less than 85%.
- Do not apply if air temperature is within 5 degrees of the dew point or rain is expected within 12 hours.
- Not for immersion service.

Product Information

Colours — Standard:

Translucent Green (00)

— Tint Bases:

N/A

Do not tint.

— Special Colours:

Contact your retailer.

Certifications & Qualifications:

VOC compliant in Canada

Qualifies for LEED® v4 Credit

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

CDPH v1 Emission Certified

Technical Assistance:

Available through your local authorized independent dealer. For the location of the dealer nearest you, call 1-800-361-5898 or visit www.benjaminmoore.ca

Technical Data◊		Green Translucent
Vehicle Type		Waterborne Acrylic
Pigment Type		Anti-Corrosive Pigment
Volume Solids		37 ± 1.0%
Coverage per 3.79 L at Recommended Film Thickness		27.9 – 37.2 sq. m. (300 – 400 sq. ft.)
Recommended Film Thickness	– Wet	4.0 - 5.5 mils
	– Dry	1.5 - 2.0 mils
Depending on surface texture and porosity.		
Dry Time @ 25 °C (77 °F) @ 50% RH	– Tack Free	30 Minutes
	– To Recoat	Min: 2 Hours Max: 2 Weeks-Exterior 3 Months-Interior
	– Full Cure	7 Days
High humidity and cool temperatures will result in longer dry, recoat and service times.		
Dries By		Evaporation
Viscosity		70 – 80 KU
Flash Point		Greater than 93.2 °C (200 °F) (TT-P-141, Method 4293)
Gloss / Sheen		5 – 10 @ 60°
Surface Temperature at Application	– Min.	10 °C (50 °F)
	– Max.	32.2 °C (90 °F)
Thin With		Not Recommended
Clean Up Thinner		Warm, Soapy Water
Weight Per 3.79 L		4.6 kg (10.1 lbs)
Storage Temperature	– Min.	7.2 °C (45 °F)
	– Max.	35 °C (95 °F)
Volatile Organic Compounds (VOC)		
96.3 Grams/Litre		

◊ Reported values are for Green. Contact retailer for values of other bases or colours.

Surface Preparation

The performance of this product is directly dependent upon the degree of surface preparation employed. All dirt, fabrication and cutting oils and accumulated salts must be removed prior to employing specific surface preparation methods. Pressure washing with an oil and grease emulsifier or solvent washing in accordance with SSPC-SP 1 will best accomplish this task. This product is not designed as a direct-to-rust coating. All surface rust should be removed by hand tool cleaning (SSPC-SP 2), power tool cleaning (SSPC-SP 3) or by abrasive blasting.

SPECIAL NOTES:

Galvanized Metal is iron or steel that is coated with a light layer of zinc. This process is done at a fabrication mill by dipping the prepared steel into molten zinc. Galvanized steel normally comes from the mill chemically treated or passivated, to prevent white rusting or oxidation of the galvanized surface during the time it is being stored or shipped to the job site. This leaves a surface that feels like it has a light coat of oil on it. It is very important that this type of surface be thoroughly cleaned using an oil and grease emulsifier or solvent washing in accordance with SSPC-SP 1.

Stainless Steel normally comes from the fabrication shop with a very smooth surface. Due to the hardness of the stainless steel, it is very difficult to attain a surface profile for the paint to adhere to. It is our recommendation that any project using stainless steel have a few small test patches applied in different areas to ensure that there is proper adhesion of the primer prior to proceeding with the entire project.

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

Mix the product thoroughly before application. The use of a drill mixer will best accomplish this task. Thinning is not recommended, however if necessary up to 237 ml of water per 3.79 L may be used.

Airless Spray (Preferred Method): Tip range between .013 and .017. Total fluid output pressure at tip should not exceed 2500 psi.

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

Brush: Synthetic Bristle only. Typical Brush application will apply 2 to 3 wet mils of product.

Roller: Use a premium quality roller cover. Typical roller application will apply 2 to 3 mils of product.

Apply when temperatures are between 10 °C (50 °F) and 32.2 °C (90 °F) and with humidity levels less than 85%. Do not apply if air temperature is within 5 degrees of the dew point.

Coverage: One coat is sufficient to provide the proper bonding intermediate coat.

TEST DATA	
Dry Heat Resistance	93 °C (200 °F)
Wet Heat Resistance	65.6 °C (150 °F)
Adhesion (ASTM D3359)	Pass 5B

CHEMICAL RESISTANCE GUIDE (NON-IMMERSION)	
Fresh Water	See Finish Coat Data Sheets for Resistance Information.
Salt Water	
Acids	
Alkalis	
Solvents	
Fuel	
Acidic Salt Solutions	
Alkaline Salt Solutions	
Neutral Salt Solutions	
SYSTEMS RECOMMENDATIONS	
COMPATIBLE FINISHES	
V300 Line, V330 Line, V400 Line, V410, V440 Line, V500 Line, V510 Line, 540 Line, and Other Acrylic & Alkyd Primers.	

Clean Up

Clean with warm, soapy water.

Environmental Health & Safety Information

Warning

Suspected of damaging fertility or the unborn child

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

Response: IF exposed or concerned: Get medical advice/attention.

Storage: Store locked up.

Disposal: Dispose of contents/container to an approved waste disposal plant.

KEEP OUT OF REACH OF CHILDREN
PROTECT FROM FREEZING
FOR PROFESSIONAL USE ONLY

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