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
- Suitable For Use In USDA Inspected Facilities

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 50 °F (10 °C) and 90 °F (32.2 °C) 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

Colors — Standard:

Translucent Green (00)

— Tint Bases:

N/A

Do Not Tint

— Special Colors:

Contact your retailer.

Certifications & Qualifications:

VOC compliant in all regulated areas

Qualifies for LEED® v4 Credit

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

CDPH v1 Emission Certified

Suitable for use in USDA inspected facilities

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◊		Green Translucent
Vehicle Type		Waterborne Acrylic
Pigment Type		Anti-Corrosive Pigment
Volume Solids		37 ± 1.0%
Coverage per Gallon at Recommended Film Thickness		300 – 400 Sq. Ft.
Recommended Film Thickness	– Wet	4.0 - 5.3 mils
	– Dry	1.5 - 2.0 mils
Depending on surface texture and porosity.		
Dry Time @ 77 °F (25 °C) @ 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 200 °F (TT-P-141, Method 4293)
Gloss / Sheen		5 – 10 @ 60°
Surface Temperature at Application	– Min.	50 °F
	– Max.	90 °F
Thin With		Not Recommended
Clean Up Thinner		Warm, Soapy Water
Weight Per Gallon		10.1 lbs.
Storage Temperature	– Min.	45 °F
	– Max.	95 °F

Volatile Organic Compounds (VOC)

85 Grams/Liter 0.71 Lbs./Gallon

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

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 contacting the National Lead Informational Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead .

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 ½ pt of water per gallon 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): DeVilbis 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 50°F (10 °C) and 90°F (32.2 °C) 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	200° F
Wet Heat Resistance	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	
V200 Line, V201, V230 Line, V231 Line, V220 Line, V300 Line, V330 Line, V340 Line, V400 Line, V410, V440 Line, V500 Line, V510 Line, V520 Line, 540 Line, and Other Acrylics & Alkyds	

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
FOR PROFESSIONAL USE ONLY

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

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