



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

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.

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.

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

| <p>Colors — Standard: Translucent Green (00)</p> <p>— Tint Bases: N/A Do Not Tint</p> <p>— Special Colors: Contact your retailer.</p> <p>Certifications & Qualifications: VOC compliant in all regulated areas</p> <p>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</p> <p>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</p> | <table border="1"> <thead> <tr> <th>Technical Data◇</th> <th>Green Translucent</th> </tr> </thead> <tbody> <tr> <td>Vehicle Type</td> <td>Waterborne Acrylic</td> </tr> <tr> <td>Pigment Type</td> <td>Anti-Corrosive Pigment</td> </tr> <tr> <td>Volume Solids</td> <td>37 ± 1.0%</td> </tr> <tr> <td>Coverage per Gallon at Recommended Film Thickness</td> <td>300 – 400 Sq. Ft.</td> </tr> <tr> <td>Recommended Film Thickness</td> <td>– Wet 4.0 - 5.3 mils – Dry 1.5 - 2.0 mils</td> </tr> <tr> <td colspan="2">Depending on surface texture and porosity.</td> </tr> <tr> <td></td> <td>– Tack Free 30 Minutes Min: 2 Hours</td> </tr> <tr> <td>Dry Time @ 77 °F (25 °C) @ 50% RH</td> <td>– To Recoat Max: 2 Weeks-Exterior 3 Months-Interior</td> </tr> <tr> <td></td> <td>– Full Cure 7 Days</td> </tr> <tr> <td colspan="2">High humidity and cool temperatures will result in longer dry, recoat and service times.</td> </tr> <tr> <td>Dries By</td> <td>Evaporation</td> </tr> <tr> <td>Viscosity</td> <td>70 – 80 KU</td> </tr> <tr> <td>Flash Point</td> <td>Greater than 200 °F (TT-P-141, Method 4293)</td> </tr> <tr> <td>Gloss / Sheen</td> <td>5 – 10 @ 60°</td> </tr> <tr> <td>Surface Temperature at Application</td> <td>– Min. 50 °F – Max. 90 °F</td> </tr> <tr> <td>Thin With</td> <td>Not Recommended</td> </tr> <tr> <td>Clean Up Thinner</td> <td>Warm, Soapy Water</td> </tr> <tr> <td>Weight Per Gallon</td> <td>10.1 lbs.</td> </tr> <tr> <td>Storage Temperature</td> <td>– Min. 45 °F – Max. 95 °F</td> </tr> <tr> <td colspan="2" style="text-align: center;">Volatile Organic Compounds (VOC)</td> </tr> <tr> <td>96.3 Grams/Liter</td> <td>0.80 Lbs./Gallon</td> </tr> </tbody> </table> | 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. | | | – Tack Free 30 Minutes Min: 2 Hours | Dry Time @ 77 °F (25 °C) @ 50% RH | – To Recoat 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) | | 96.3 Grams/Liter | 0.80 Lbs./Gallon |
|--|---|-----------------|-------------------|--------------|--------------------|--------------|------------------------|---------------|-----------|---|-------------------|----------------------------|--|--|--|--|--|-----------------------------------|--|--|--------------------|--|--|----------|-------------|-----------|------------|-------------|---|---------------|--------------|------------------------------------|------------------------------|-----------|-----------------|------------------|-------------------|-------------------|-----------|---------------------|------------------------------|---|--|------------------|------------------|
| 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. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | – Tack Free 30 Minutes Min: 2 Hours | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Time @ 77 °F (25 °C) @ 50% RH | – To Recoat 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) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96.3 Grams/Liter | 0.80 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 Information 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): 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 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

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.



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

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

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