



PREP ALL UNIVERSAL METAL PRIMER V132

Features

- Fast 30 minute dry – recoat in 4 hours
- Can be top coated with strong, solvent-based coatings
- Tie coat over many existing coatings
- Corrosion protection on all ferrous metals

Recommended For

Ferrous Metal such as Steel & Iron. Corotech® Prep All Universal Metal Primer is a high performance coating specifically designed for application directly to ferrous metal substrates. It provides corrosion resistance for both interior and exterior steel surface in mildly corrosive conditions

General Description

Prep All Universal Metal Primer is an economical, single-component primer engineered to provide corrosion protection on all ferrous metals. This quick-drying formula provides fast production times, and its alkyd resin formulation allows for application on a wide variety of intermediate and finish coat products. Formulated for an airless spray application, it can also be applied by HVLP spray, brushes, or rollers.

Limitations

- Not recommended for non-ferrous metals such as galvanized, aluminum or for use in immersion service
- Do not apply if material, substrate or ambient temperature is below 10 °C (50 °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

Product Information

<p>Colours — Standard: White (01), Red (20), Gray (70)</p> <p>Can be tinted with up to 2.0 fl. oz. of IM colorants per 3.79 L</p>	<table border="1"> <thead> <tr> <th colspan="2">Technical Data◇</th> <th>White</th> </tr> </thead> <tbody> <tr> <td>Vehicle Type</td> <td></td> <td>Phenolic Alkyd</td> </tr> <tr> <td>Pigment Type</td> <td></td> <td>Titanium Dioxide</td> </tr> <tr> <td>Volume Solids</td> <td></td> <td>50 ± 1.0%</td> </tr> <tr> <td>Coverage per 3.79 L at Recommended Film Thickness</td> <td></td> <td>29.7 – 37.2 sq. m. (350 – 450 sq. ft.)</td> </tr> <tr> <td>Recommended Film Thickness</td> <td>– Wet</td> <td>3.6 – 4.6 mils</td> </tr> <tr> <td></td> <td>– Dry</td> <td>1.8 - 2.3 mils</td> </tr> <tr> <td colspan="3">Depending on surface texture and porosity.</td> </tr> <tr> <td>Dry Time @ 25 °C (77 °F) @ 50% RH</td> <td>– Tack Free</td> <td>30 Minutes</td> </tr> <tr> <td></td> <td>– To Recoat</td> <td>4 Hours</td> </tr> <tr> <td colspan="3">High humidity and cool temperatures will result in longer dry, recoat and service times.</td> </tr> <tr> <td>Dries By</td> <td></td> <td>Oxidation</td> </tr> <tr> <td>Viscosity</td> <td></td> <td>70 – 75 KU</td> </tr> <tr> <td>Flash Point</td> <td></td> <td>10 °C (50 °F) (TT-P-141, Method 4293)</td> </tr> <tr> <td>Gloss/Sheen</td> <td></td> <td>0 – 3 @ 60°</td> </tr> <tr> <td>Surface Temperature at Application</td> <td>– Min.</td> <td>10 °C (50 °F)</td> </tr> <tr> <td></td> <td>– Max.</td> <td>32 °C (90 °F)</td> </tr> <tr> <td>Thin With</td> <td></td> <td>Not Recommended</td> </tr> <tr> <td>Clean Up Thinner</td> <td></td> <td>Corotech® V703 or Xylene</td> </tr> <tr> <td>Weight Per 3.79 L</td> <td></td> <td>5.8 kg (11.2 lbs)</td> </tr> <tr> <td>Storage Temperature</td> <td>– Min.</td> <td>4.4 °C (40 °F)</td> </tr> <tr> <td></td> <td>– Max.</td> <td>35 °C (95 °F)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Volatile Organic Compounds (VOC)</td> </tr> <tr> <td colspan="3" style="text-align: center;">393 Grams/Litre</td> </tr> </tbody> </table>	Technical Data◇		White	Vehicle Type		Phenolic Alkyd	Pigment Type		Titanium Dioxide	Volume Solids		50 ± 1.0%	Coverage per 3.79 L at Recommended Film Thickness		29.7 – 37.2 sq. m. (350 – 450 sq. ft.)	Recommended Film Thickness	– Wet	3.6 – 4.6 mils		– Dry	1.8 - 2.3 mils	Depending on surface texture and porosity.			Dry Time @ 25 °C (77 °F) @ 50% RH	– Tack Free	30 Minutes		– To Recoat	4 Hours	High humidity and cool temperatures will result in longer dry, recoat and service times.			Dries By		Oxidation	Viscosity		70 – 75 KU	Flash Point		10 °C (50 °F) (TT-P-141, Method 4293)	Gloss/Sheen		0 – 3 @ 60°	Surface Temperature at Application	– Min.	10 °C (50 °F)		– Max.	32 °C (90 °F)	Thin With		Not Recommended	Clean Up Thinner		Corotech® V703 or Xylene	Weight Per 3.79 L		5.8 kg (11.2 lbs)	Storage Temperature	– Min.	4.4 °C (40 °F)		– Max.	35 °C (95 °F)	Volatile Organic Compounds (VOC)			393 Grams/Litre		
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<p>Certification & Qualifications:</p> <p>The products supported by this data sheet contain a maximum of 400 grams per litre VOC / VOS (3.33 lbs/gal.) excluding water & exempt solvents.</p> <p>This product is compliant as a Rust Preventive Coating.</p> <p>Meets Federal Specifications TT-P-664</p> <p>Master Painters Institute MPI # 76</p> <p>Meets CISC/CPMA 1-73a and CISC/PMA 2-75 Specifications</p>																																																																									
<p>Technical Assistance: Available through your local authorized independent Benjamin Moore® retailer. For the location of the retailer nearest you, call 1-800-361-5898, or visit www.benjaminmoore.ca</p>																																																																									

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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.

NEW SURFACES: Steel: For best results, abrasive blast to a commercial blast (SSPC-SP 6). For mild conditions, a hand or power tool cleaning (SSPC-SP 2) may be satisfactory, but performance is dependent upon the degree of surface preparation.

Previously Painted Surfaces: Wash and rinse any areas that may have oil or grease residue. Dull glossy surfaces by lightly sanding. Remove sanding dust. Remove loose paint. All areas that are rusting, blistering, cracking or peeling must be cleaned to bare metal. If more than 25% of the surface is involved, sandblast the entire surface to a commercial blast and prime. If less than 25% of the surface is involved, clean soiled areas and spot prime.

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 at low speed will best accomplish this.

Airless Spray: Tip range between .013 and .017. Total fluid output pressure at tip should not be less than 2200 psi.

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

Can be brushed using a natural bristle brush or rolled using a 9.53 mm (3/8") lambs wool or 6.35 mm – 12.7 mm (1/4" – 1/2") synthetic roller cover. Roll in one direction, rewet, then cross roll.

NOTE: Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with recommended thinner. No reduction is necessary. Do not apply if material, substrate or ambient temperature is below 10° C (50° 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		CHEMICAL RESISTANCE GUIDE (NON-IMMERSION)	
Steam Resistant	Yes	Fresh Water	See Finish Coat Data Sheets for Resistance Information.
Flexibility (ASTM D1737)	Pass 6.4 mm (1/4") Mandrel	Salt Water	
Dry Heat Resistance	121 °C (250 °F)	Acids	
Wet Heat Resistance	65.6 °C (150 °F)	Alkalis	
Adhesion (ASTM D3359)	Pass 5B	Solvents	
Salt Spray (ASTM B117) (1.8 mils w/2.5 mils V-500; 1000 Hours)	Face Corrosion-None Face Blistering-None	Fuel	
		Acidic Salt Solutions	
Humidity (ASTM D4585 w/V-500 Topcoat (1000 Hours)	Face Corrosion-None Face Blistering-None	Alkaline Salt Solutions	
		Neutral Salt Solutions	
SYSTEMS RECOMMENDATIONS			
COMPATIBLE FINISHES			
V220 Line, V300 Line, V330 Line, V400 Line, V410, V440 Line, V500, V510 and Other Acrylics & Alkyds			
COMPATIBLE INTERMEDIATES			
V160 Line			

Clean Up

Clean with Corotech® V703 or Xylene

Environmental Health & Safety Information

DANGER

Causes skin irritation

Causes serious eye irritation

May cause an allergic skin reaction

May cause cancer

Causes damage to organs through prolonged or repeated exposure

May be fatal if swallowed and enters airways

Highly flammable liquid and vapor

Risk of spontaneous combustion

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Do not eat, drink or smoke when using this product. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/ protective clothing/ eye protection/ face protection. Immediately after use, place rags, steel wool or waste used with this product in a sealed water-filled metal container or lay flat to dry.

Response: IF exposed or concerned: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. In case of fire: Use CO₂, dry chemical, or foam for extinction.

Storage: Store locked up. Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents/container to an approved waste disposal plant. Materials such as rags used with this product may begin to burn by themselves. After use, put rags in water or lay flat to dry, then discard.

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.

**FOR METAL SUBSTRATES ONLY
KEEP OUT OF REACH OF CHILDREN**

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