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.

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 50 °F (10 °C)
- 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

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Product Information

Colors — Standard:
- White (01), Red (20), Gray (70)

Can be tinted with up to 2.0 fl. oz. of IM colorants per gallon.

— Tint Bases:
N/A

— Special Colors:
Contact your retailer.

Technical Data:

<table>
<thead>
<tr>
<th>Vehicle Type</th>
<th>Phenolic Alkyd</th>
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</thead>
<tbody>
<tr>
<td>Pigment Type</td>
<td>Titanium Dioxide</td>
</tr>
<tr>
<td>Volume Solids</td>
<td>50 ± 1.0%</td>
</tr>
<tr>
<td>Coverage per Gallon at Recommended Film Thickness</td>
<td>350 – 450 Sq. Ft.</td>
</tr>
<tr>
<td>Recommended Film Thickness — Wet</td>
<td>3.6 – 4.6 mils</td>
</tr>
<tr>
<td>— Dry</td>
<td>1.8 - 2.3 mils</td>
</tr>
</tbody>
</table>

Depending on surface texture and porosity.

Dry Time @ 77 °F (25 °C) @ 50% RH
- Tack Free 30 Minutes
- To Recoat 4 Hours
- Full Cure 7 Days

High humidity and cool temperatures will result in longer dry, recoat and service times.

Dries By
- Oxidation

Viscosity
- 70 – 75 KU

Flash Point
- 50 °F (TT-P-141, Method 4293)

Gloss/Sheen
- 0 – 3 @ 60°

Surface Temperature
- Min. 50 °F
- Max. 90 °F

Thin With
- Not Recommended

Clean Up Thinner
- Corotech® V703 or Xylene

Weight Per Gallon
- 11.2 lbs.

Storage Temperature
- Min. 40 °F
- Max. 95 °F

Volatile Organic Compounds (VOC)
- 393 Grams/Liter
- 3.28 Lbs./Gallon

◊ Reported values are for White. Contact retailer for values of other bases or colors.
**Prep All Universal Metal Primer V132**

**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 sanded 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 contacting the National Lead Informational Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

**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):** DeVilbis 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 3/8" lambs wool or 1/4" 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 50° F (10° C). 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.

<table>
<thead>
<tr>
<th>TEST DATA</th>
<th>CHEMICAL RESISTANCE GUIDE (NON-IMMERSION)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steam Resistant</td>
<td>Yes</td>
</tr>
<tr>
<td>Flexibility (ASTM D1737)</td>
<td>Pass ¼&quot; Mandrel</td>
</tr>
<tr>
<td>Dry Heat Resistance</td>
<td>250° F</td>
</tr>
<tr>
<td>Wet Heat Resistance</td>
<td>150° F</td>
</tr>
<tr>
<td>Adhesion (ASTM D3359)</td>
<td>Pass 5B</td>
</tr>
<tr>
<td>Salt Spray (ASTM B117) (1.8 mils w/2.5 mils V-500; 1000 Hours)</td>
<td>Face Corrosion-None</td>
</tr>
<tr>
<td>Humidity (ASTM D4585 w/V-500 Topcoat (1000 Hours)</td>
<td>Face Corrosion-None</td>
</tr>
</tbody>
</table>

See Finish Coat Data Sheets for Resistance Information.

**SYSTEMS RECOMMENDATIONS**

**COMPATIBLE FINISHES**


**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**

**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/mist/vapors/spray. Do not eat, drink or smoke when using this product. Keep away from heat/sparks/open flames/hot surfaces, 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/protection clothing/eye protection/face protection.

**Response:** If exposed or concerned get medical 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 attention. If skin irritation or rash occurs get medical attention. If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. If swallowed immediately call a POISON CENTER or 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.

**DANGER** - Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container.

**WARNING** Cancer and Reproductive Harm–[www.P65warnings.ca.gov](http://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.

**FOR METAL SUBSTRATES ONLY**

**KEEP OUT OF REACH OF CHILDREN**

**FOR PROFESSIONAL USE ONLY**

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