**SHOP PRIMER**
**CV142**

**Features**
- Shop Primer
- Economical
- Suitable for Use in USDA Inspected Facilities

**General Description**
Corotech® Shop Primer is formulated for those users who require an economical primer for commercial use in mild to moderate exposures. Shop Primer is ideal as a temporary transport coat on fabricated pieces or as an economical barrier primer. It is a temporary coating. These primers may be top-coated with a wide variety of finishes. However, finishes containing strong solvents (Ketones, Xylene, Toluene) may cause wrinkling or lifting of these primers. This product is available in red and gray.

**Recommended For**
Steel and Iron. Corotech® Shop Primer is designed for the General Metal Finishing and Fabrication Market, as well as the Industrial Maintenance Market. It is not intended for severe chemically corrosive environments, immersion service or non-ferrous metals.

**Limitations**
- 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.
- Not for immersion service.
- Do not topcoat with products such as Epoxies or Urethanes containing aromatic or oxygenated solvents.

**Product Information**

| Colors — Standard: | Technical Data
| --- | --- |
| Red (20), Gray (70) | Red

| Vehicle Type | Alkyd
| --- | --- |
| Pigment Type | Titanium Dioxide
| Volume Solids | 65 ± 1.0%
| Coverage per Gallon at Recommended Film Thickness | 425 – 500 Sq. Ft.
| Recommended Film Thickness — Wet | 3.2 – 3.7 mils
| — Dry | 2.1 – 2.4 mils

Depending on surface texture and porosity.

| Certification & Qualifications: |  
| --- | --- |
| The products supported by this data sheet contain a maximum of 250 grams per liter VOC / VOS (2.09 lbs./gal.) excluding water & exempt solvents. Meets SSPC Paint 15, Type 1 | Depend on surface texture and porosity.

**VOC REGION** | **COMPLIANT**
--- | ---
Federal | YES
OTC | YES
LADCO | YES
OTCII | YES
OTCII RI | YES
CARB | YES
CARB07 | YES
UTAH | YES
AZMC | YES
SCAQMD | NO

**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](http://www.benjaminmoore.com)

---

◊ Reported values are for Red. Contact retailer for values of other bases or colors.
Shop Primer CV142

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 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 at low speed will best accomplish this. Spray application only.

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.

If necessary, small areas can be brushed or rolled using a 3/8” lambs wool or 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 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.

TEST DATA

<table>
<thead>
<tr>
<th>Flexibility (ASTM D1737)</th>
<th>Pass ¼” Mandrel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steam Resistant</td>
<td>Yes</td>
</tr>
<tr>
<td>Dry Heat Resistance</td>
<td>200 °F</td>
</tr>
<tr>
<td>Wet Heat Resistance</td>
<td>125 °F</td>
</tr>
<tr>
<td>Adhesion (ASTM D3359)</td>
<td>Pass 5B</td>
</tr>
</tbody>
</table>

Salt Spray (ASTM B117)

(1 Coat w/2 topcoats; 500 Hours)

Rust Breakthrough: 10
Rust Area: 0.01%

CHEMICAL RESISTANCE GUIDE (NON-IMMERSION)

<table>
<thead>
<tr>
<th>Fresh Water</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Salt Water</td>
<td></td>
</tr>
<tr>
<td>Acids</td>
<td></td>
</tr>
<tr>
<td>Alkalis</td>
<td></td>
</tr>
<tr>
<td>Solvents</td>
<td></td>
</tr>
<tr>
<td>Fuel</td>
<td></td>
</tr>
<tr>
<td>Acidic Salt Solutions</td>
<td>See Finish Coat Data Sheets for Resistance Information.</td>
</tr>
<tr>
<td>Alkaline Salt Solutions</td>
<td></td>
</tr>
<tr>
<td>Neutral Salt Solutions</td>
<td></td>
</tr>
</tbody>
</table>

SYSTEMS RECOMMENDATIONS

<table>
<thead>
<tr>
<th>COMPATIBLE FINISHES</th>
</tr>
</thead>
</table>

Clean Up

Clean up with Corotech® V701 Brush & Spray Reducer or V703 Xylene.

Environmental Health & Safety Information

DANGER!

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
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/protective 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. Wash contaminated clothing before reuse. If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water. 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. 3.8% of the mixture consists of ingredient(s) of unknown toxicity

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

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 FOR PROFESSIONAL USE ONLY

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

Benjamin Moore & Co., 101 Paragon Drive, Montvale, NJ 07645 Tel: 866-708-9180 Fax: 888-248-2143 www.benjaminmoore.com M72 CV142 EN 081120 ©2017, 2020 Benjamin Moore & Co. Benjamin Moore and the triangle “M” symbol are registered trademarks licensed to Benjamin Moore & Co. All other marks are the property of their respective owner. All rights reserved.