ORGANIC ZINC RICH PRIMER
V170

Features

- High zinc content delivers cathodic protection
- Can be top coated or left uncoated
- Thermoplastic resin requires tie coat under certain finishes

General Description

Organic Zinc Rich Primer is a heavy-duty corrosion inhibitor for interior or exterior ferrous metal and weathered galvanized metal. It is made from an organic thermoplastic resin and leaves a finished film that is 83% zinc. Ideal for touching up existing galvanized metal with no topcoat.

Recommended For

Ferrous Metal & Weathered Galvanized. Corotech® Organic Zinc Rich Primer is designed for the General Metal Finishing / Fabrication market, industrial maintenance market, the marine / offshore market.

Limitations

- Not for immersion service.
- Do not apply Corotech® Organic Zinc Rich Primer if air or surface temperatures are below 35 °F (1 °C) or above 90 °F (32.2 °C), or in relative humidity greater than 90%, or if surface or air temperatures are within 5 degrees of the dew point.
- Do not apply over previous finishes.

Product Information

Colors — Standard:
Gray (79)

— Tint Bases:
N/A
Do not tint

— Special Colors:
Contact your retailer.

Certification & Qualifications:

The product supported by this data sheet contains a maximum of 500 grams per liter VOC / VOS (4.17 lbs. /gal.) excluding water & exempt solvents.
Masters Painters Institute MPI # 18
Cold Galvanizing Project Qualification
Meets Composition Requirements of TT-P-1046
Meets Performance Requirements of TT-P-641 & DOD-P-21035
Meets Performance Requirements of Mil-P-28915 Type I, Class A
Meets SSPC Paint #5 & SSPC Paint # 20, Type II

Technical Data

<table>
<thead>
<tr>
<th>Gray</th>
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<tbody>
<tr>
<td>Vehicle Type</td>
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<tr>
<td>Pigment Type</td>
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<tr>
<td>Volume Solids</td>
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<tr>
<td>Coverage per Gallon at Recommended Film Thickness</td>
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<tr>
<td>Recommended Film Thickness</td>
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<td>Depending on surface texture and porosity.</td>
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Dry Time @ 77 °F (25 °C) @ 50% RH
- Tack Free: 30 Minutes
- To Recoat: 12 Hours
- Full Cure: 72 Hours

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

Dries By
- Evaporation

Viscosity
- 100 – 115 KU

Flash Point
- 80 °F or greater (TT-P-141, Method 4293)

Gloss / Sheen
- 0 – 5 units @ 60°

Surface Temperature at Application
- Min: 35 °F
- Max: 90 °F

Thin With
- Do Not Thin

Clean Up Thinner
- Corotech® V703 Xylene

Weight Per Gallon
- 20.3 lbs.

Storage Temperature
- Min: 45 °F
- Max: 95 °F

Volatile Organic Compounds (VOC)

500 Grams/Liter  4.17 Lbs./Gallon

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

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
Organic Zinc Rich Primer V170

Surface Preparation
The performance of this product is directly dependent upon the degree of surface preparation employed. All dirt, oils, accumulated salts, and other contaminants must be removed prior to employing specific surface preparation methods. Removal of all contaminants should be completed in accordance with SSPC-SP 1. Ferrous metal substrates should be free of all mill scale and rust. Aggregate blasting should be in accordance with SSPC-SP 10 Near White Blast for cleanliness. Conscientious power tool cleaning (SSPC-SP 3) may be employed; however, for best results, power tool cleaning to bare metal (SSPC-SP 11) is strongly suggested. Weathered Galvanized substrates should have all rust removed by aggregate blasting in accordance with SSPC-SP 10 Near White Blast for cleanliness. Conscientious power tool cleaning (SSPC-SP 3) may be employed; however, for best results, power tool cleaning to bare metal (SSPC-SP 11) is strongly suggested.

It is not recommended that this coating be applied over previous finishes.

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 task. Ensure that all zinc is mixed into solution with none remaining on the bottom of the can. Do not apply Corotech® Organic Zinc Rich Primer if air or surface temperatures are below 35 °F (1 °C) or above 90 °F (32.2 °C), or in relative humidity greater than 90%, or if surface or air temperatures are within 5 degrees of the dew point. Product should be allowed to dry tack free prior to air or surface temperatures being within 5 degrees of the dew point.

Airless Spray (Preferred Method): Tip range between .019 and .021. Total fluid output pressure at tip should not be less than 2100 psi.

Air Spray (Pressure Pot): Must have air agitator. Binks or equivalent equipment. (Gun: #18 or 62; Fluid Nozzle: 66 PE).

NOTE: Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with recommended thinner.

Brush: Natural Bristle (for small areas only).

Test Data

<table>
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<tr>
<th>TEST DATA</th>
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<tbody>
<tr>
<td>Dry Heat Resistance</td>
<td>200 °F (93 °C)</td>
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<tr>
<td>Wet Heat Resistance</td>
<td>125 °F (52 °C)</td>
</tr>
<tr>
<td>Adhesion (ASTM D3359)</td>
<td>Pass 5B</td>
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<tr>
<td>Salt Fog Resistance (ASTM B117) One coat</td>
<td>500 Hours-Pass (Rating: 10 Rust Area: 0.00%)</td>
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Chemical Resistance Guide (Non-Immersion)

- Fresh Water
- Salt Water
- Acids
- Alkalis
- Solvents
- Fuel
- Acidic Salt Solutions
- Alkaline Salt Solutions
- Neutral Salt Solutions

Systems Recommendations

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<tr>
<th>Compatible Finishes</th>
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<tr>
<td>V300 Line, V330 Line, V341/V342 Line, V440 Line, V540 Line, and Other Acrylics</td>
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</table>

Clean Up
Clean with Corotech® V703 Xylene.

Environmental Health & Safety Information

DANGER!

- Causes skin irritation
- Causes serious eye irritation
- May cause cancer
- Suspected of damaging fertility or the unborn child
- May cause 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. Wear eye/face protection. Do not breathe dust/fume/mist/vapors/spray. 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.

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 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.

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
PROTECT FROM FREEZING
FOR PROFESSIONAL USE ONLY

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