



## CLEARCO ZINC RICH PRIMER



Clearco Zinc Rich Primer is an organic zinc rich primer for steel and ferrous metals that **combines the resistance properties of epoxy and the galvanic protection of zinc**. This is a pure zinc epoxy base one package primer.

**This high performance epoxy compound fuses zinc to the metal substrate and protects against corrosion equal to Hot Dip Galvanizing.** Clearco Zinc Rich Primer is self-healing, and **prevents creepage even when the surface is penetrated or scratched.** After curing, it may be coated with conventional primers and finishes such as epoxy, coal tar epoxy, vinyl phenolics, urethanes, acrylics & chlorinated rubber

### FEATURES

- 90% Organic Zinc in Dry Film
- Long Term Corrosion Protection
- Meets Mil Specifications
- USDA Approved

### SURFACES INCLUDE

• Structural Steel	• Fences
• Wrought Iron	• Gutters
• Welds	• Food Plants
• Bridges	• Power Plants
• Towers	• Refineries
• Damaged Galvanized surfaces	• Interior of Automotive Panels

### SPECIFICATIONS

<b>Appearance</b>	Gray/Matte Finish	
<b>Coverage</b>	646 Sq. Feet/Gallon at 1 mil dry (100% efficiency)	
<b>Dry Film Thickness</b>	1.5 to 3.0 mils	
<b>Zinc Content</b>	90% in Dry Film	
<b>Drying Time</b>	To Handle - 30 to 40 Minutes at 70 degrees F To Topcoat - 2 to 3 Hours at 70 degrees F	
<b>Temperature Resistance</b>	250F – Sustained 300F – Intermittent	
<b>USDA</b>	Meets USDA requirements	
<b>Weldable</b>	Yes	
<b>Mil Specifications &amp; Certifications</b>	P-26915A	- Type 1 Class A Primer for Steel (USAF)
	DOD-21035A	- Zinc Rich Galvanize Repair
	P-46105	- Weld through Zinc Rich Primer
	Salt Fog	- Pass 1000 Hours ASTM B117
	Humidity	- Pass 500 Hours ASTM D2247

### PROPERTIES

<b>Weight/Gallon</b>	19.9 ± .2 LB
<b>Solids by Weight</b>	79 ± 2%
<b>Solids by Volume</b>	40 ± 1%
<b>VOC Lb./Gallon (Volatile Organic Content)</b>	4.24
<b>Flash Point</b>	Below 80 degrees F.T.C.C.
<b>Shelf Life</b>	6 Months
<b>Non-Sag</b>	30 mils wet minimum
<b>APPLICATIONS</b>	
<b>Reduction</b>	10 to 20% for Atomized Spray
<b>Apply By</b>	Spray/Brush
<b>Recommended Film Thickness</b>	1.5 to 3.0 mils
<b>Cure Time</b>	30 to 40 Minutes: Air Dry

**For More Information or To Request a Free Sample Contact:**

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## **SURFACE PREPARATION**

**New Steel:** Surface must be dry and free of contamination. Remove all weld splatter and grind all rough welds and sharp edges to a smooth contour. For severe exposure (immersion, chemical etc) near-white blast clean per SSPC SP 10-63T. For other exposures, blast clean per SSPC SP 6-63 to a maximum profile of 1.5 mils.

**Previously Painted Surfaces:** Must be free of oil, grease or other contamination. For best results, spot blast exposed areas to be primed. Power tool brushings may be used for minor touch-up. Power tool brushings may be used for minor touch-up.

### **SPRAYING**

Surface shall be dry, 5°F above dew point with air temperatures greater than 50°F. Must be free of rust bloom.

For air-atomized spray, fluid tips of .070" and air caps delivering 9-10 CRM at 30 PSI are acceptable. A 3/8" to 1/2" material hose is recommended. If thinning is required, add 1 to 4% Xylol, Xylene or Mineral Spirits to reach desired consistency.

Material should be kept under constant slow speed agitation during process.

Double lap all welds, seams, corners & edges to ensure film thickness. Make even-parallel passes with 50% overlap to provide uniformity.

### **FIRST AID**

If swallowed, **DO NOT** induce vomiting. Contact physician immediately. In case of eye contact, flush immediately with clear water for a minimum of 15 minutes and seek medical attention. For skin contact, wash with soap and water. If overcome by vapors, remove to fresh air.

### **BRUSHING**

Zinc Rich Primer has high viscosity and good anti-sag properties that are suitable for

brushing. If container is exposed to open air for extended time, add small amounts of Xylol,, Xylene or Mineral Spirits to thin to proper viscosity

### **CONTAINS**

Zinc Dust (CAS #7440-66-6), Xylol (CAS #1330-20-7), Ethyl Benzene (100-41-4), and VMP Naphtha-66 (CAS #64742-89-8)

### **CAUTION**

Keep away from Heat, Sparks, Open flames, Electrical equipment etc. **DO NOT MIX WITH WATER OR USE WATER FOR FIRE.** (See MSDS Sheet)

# **CLEARCO**

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