



### **I. Product Description**

**Instant Cold Galvanize™** is a quick drying, sacrificial coating that protects ferrous metals from oxidizing. The high purity, zinc rich formula creates a galvanic barrier between the environment and the base metal to prevent the formation or spread of rust and corrosion. **Instant Cold Galvanize™** electrochemically bonds to metal surfaces, providing the protection of hot-dipped galvanize, and protects ferrous metals substantially longer than zinc paints. After curing, **Instant Cold Galvanize™** is highly resistant to scratching, denting, abrasion, corrosive environments, salt air, heat, moisture and road salts.

### **II. Applications**

Recommended for use on threads, exposed edges, fasteners, conduit, strapping, welds, fencing, railings, grates, electrical poles, breaker panel housings, rain spouts, signs, doors, trailers, waste containers, catwalks, and guard rails. Ideally suited for a variety of environments including marine, utility, refinery, water treatment, chemical processing, pulp & paper, steel manufacturing and general maintenance and repair.

### **III. Features & Benefits**

- **>92% Pure Zinc.** Leaves behind a heavy concentration of zinc instead of fillers to provide maximum protection against corrosion.
- Available in **16 oz. aerosol** for controlled application of product.

### **IV. Physical Properties without propellant**

<b>Flash Point</b>	<39°F TCC	<b>Temperature Range</b>	Continuous - 130° F Intermittent - 150° F
<b>Odor</b>	Aromatic	<b>Sara Title III, Sect. 313 Chemicals</b>	Yes
<b>Appearance</b>	Grey, viscous liquid	<b>Prop 65</b>	Yes
<b>Vapor Density</b>	>1 (air=1)	<b>Propellant</b>	Hydrocarbon
<b>Binder</b>	Acrylic	<b>FPP VOC Max</b>	1.2 MIR
<b>VOC Content (Fed)</b>	574 g/L		

### **V. Specifications and Approvals**

ASTM-A-780-93	MIL-P-21035 (ships) Paragraph 3.3.1, 3.3.2, 3.3.3
MIL-P-46105 (MR) Paragraph 3.2,3.31, 3.5.8, 4.45i	DOD-P-21035A (Navy) Paragraph 3.1, 3.2, 3.5.3, 3.5.6, 4.4.3,6.1, 6.5, 353; and MIL-T26433

### **VI. Packaging Description**

<b>05048</b>	13 wt oz
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### **VII. Performance Characteristics**

<b>Type of Film</b>	Dry, grey, matte finish
<b>Film Thickness</b>	2-3 mils dry for optimum protection
<b>Coverage</b>	28 to 32 sq. ft. @ 3 mil
<b>Corrosion Resistance</b>	500 hrs. ASTM D-2247 (humidity) 500 to 1000 hrs. ASTM-B117 (Salt Fog)
<b>Coating</b>	Tack Free: 15 to 30 minutes Fully Dry: 8 hours Recoat: 8 hours
<b>Heat Resistant</b>	Up to 150°F

## VIII. Directions

### Surface Preparation

**New Steel** - Surface must be dry and free of contamination. Remove all weld spatters 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.

### Application Directions

- Surface should be dry and free of rust bloom. Temperatures should be above 60° F.
- Shake well until agitator ball is free. Repeat while using.
- Best results are obtained when sprayed above 60°F. Spray from 12-15 inches away in light, even coats.
- Additional coats for heavy film can be applied when first coat is dry, wait 8 hours.
- When finished spraying, clean valve by turning can upside down and pressing button until only pressure escapes.
- If clogging occurs, remove button and clean slot and orifice with fine wire.

## IX. Disposal

Disposal requirements vary by state and local jurisdiction. All used and unused product should be disposed of in conformance with local, state, and federal regulations.

## X. Special Use Warnings

Proper precautions should be taken to assure operator protection, including explosion-proof electrical fixtures when applied indoors. Do not puncture, incinerate or store above 120° F. Exposure to high temperatures may cause can to burst. Do not place in direct sunlight or near any heat source. Use only in well ventilated area. Avoid continuous breathing of vapor and spray mist. Avoid contact with skin and eyes. If ventilation is not adequate, respiratory protection should be worn.

**DISCLAIMER:** This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label. All products should be tested for suitability on a particular application prior to actual use. CRC Industries, Inc. makes no representations or warranties of any kind concerning this data.

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