

**RUST-OLEUM®**

## 7000 SYSTEM COLD GALVANIZING COMPOUND

### DESCRIPTION AND USES

A single package zinc rich coating. This coating contains 95% metallic zinc in the dry film to provide cathodic corrosion protection for iron and steel. Cold Galvanizing Compound is also excellent for the repair of worn or damaged galvanized steel. This product is not intended for use on rusted steel or previously coated surfaces. It meets the performance requirements of ASTM A-780-01 (par. 4.1.2, 4.1.3, 4.2.2).

### PRODUCTS

1-Quart	1-Gallon	Description
206194T	206193	Cold Galvanizing Compound

### PRODUCT APPLICATION

#### SURFACE PREPARATION

**ALL SURFACES:** Remove all dirt, grease, oil, salt and chemical contaminants by washing the surface with Pure Strength® Cleaner/Degreaser item #3599402, commercial detergent or other suitable cleaner. Mold and mildew must be cleaned with a chlorinated cleaner or bleach solution. Rinse with fresh water and allow to thoroughly dry.

**STEEL:** At minimum, clean in accordance to SSPC-SP-11 Power Tool Clean to Bare Metal. The 7000 System is intended to be applied only to bare steel or existing sound galvanized steel. It is not intended for application to sound rust.

### PRODUCT APPLICATION (cont.)

#### APPLICATION

Apply only when the air and surface temperatures are between 32-100°F (0-38°C) and the surface temperature is at least 5°F (3°C) above the dew point. Abrasive blast clean steel requires two coats of coating.

#### EQUIPMENT RECOMMENDATIONS

**BRUSH:** For touch-up only. Use a good quality natural or polyester bristle brush.

**ROLLER:** Not recommended.

**AIR-ATOMIZED SPRAY:**

Method	Tip Size	Fluid Delivery	Atomizing Pressure
Pressure	0.055-0.070	16 oz./min.	25-60 psi

**AIRLESS SPRAY:**

Fluid Pressure	Tip Size	Filter Mesh
2100-2400 psi	0.019-0.021	60

#### THINNING

**BRUSH:** Normally not required.

**AIR-ATOMIZED SPRAY:** 633402 Thinner: Normally not required. If needed, use up to 5% by volume.

**AIRLESS SPRAY:** 633402 Thinner: Normally not required. If needed, use up to 5% by volume.

#### CLEAN UP

633402 Thinner or mineral spirits.

### PERFORMANCE CHARACTERISTICS

#### CYCLIC PROHESION

Rating 1-10, 10=best

**METHOD:** ASTM D5894, 5 Cycles, 1680 hours

**RESULT:** 10 ASTM D714 for blistering

**RESULT:** 10 ASTM D1654 for corrosion

**RESULT:** 9 ASTM D610 for rusting

#### CONICAL FLEXIBILITY

**METHOD:** ASTM D-522

**RESULT:** Pass >33%



**TECHNICAL DATA**

**7000 SYSTEM COLD GALVANIZING COMPOUND**

**PHYSICAL PROPERTIES**

		COLD GALVANIZING COMPOUND
<b>Resin Type</b>		Epoxy ester
<b>Pigment Type</b>		Metallic Zinc
<b>Solvents</b>		Aliphatic Hydrocarbons
<b>Weight</b>	<b>Per Gallon</b>	28.3 lbs.
	<b>Per Liter</b>	3.4 kg
<b>Solids</b>	<b>By Weight</b>	89.5%
	<b>By Volume</b>	54.1%
<b>Volatile Organic Compounds</b>		<360 g/l (3.0 lbs./gal.)
<b>Recommended Dry Film Thickness (DFT) Per Coat</b>		2.5-3.5 mils (62.5-87.5µ)
<b>Wet Film to Achieve DFT (unthinned material)</b>		3.5-4.5 mils (87.5-112.5µ)
<b>Theoretical Coverage at 1 mil DFT (25µ)</b>		1,280 sq. ft./gal. (7.6-10.8 m <sup>2</sup> /l); based on wet to dry ratio
<b>Practical Coverage at Recommended DFT (assumes 15% material loss)</b>		310-440 sq. ft./gal. (7.6-10.8 m <sup>2</sup> /l); based on wet to dry ratio
<b>Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity</b>	<b>Tack-free</b>	30-60 minutes
	<b>Handle</b>	1-2 hours
	<b>Recoat</b>	12 hours
<b>Dry Heat Resistance</b>		212°F (100°C)
<b>Shelf Life</b>		5 years
<b>Safety Information</b>		<b>COMBUSTIBLE LIQUID AND VAPOR. HARMFUL IF INHALED. MAY AFFECT BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION. FOR INDUSTRIAL OR COMMERCIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. SEE THE PRODUCT MATERIAL SAFETY DATA SHEET (MSDS) AND LABEL WARNINGS FOR ADDITIONAL SAFETY INFORMATION.</b>

Calculated values are shown and may vary slightly from the actual manufactured material.

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