

**RUST-OLEUM®**  
**HIGH PERFORMANCE**  
 INDUSTRIAL COATINGS

# 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) MIL-P-21035B and SSPC Paint 20.

## PRODUCTS

SKU	DESCRIPTION
206194T	1-Quart
206193	1-Gallon

## PRODUCT APPLICATION

### READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING PROJECT

### SURFACE PREPARATION

**ALL SURFACES:** Remove all dirt, grease, oil, salt and chemical contaminants by washing the surface with Krud Kutter® Original Cleaner Degreaser, commercial detergent or other suitable cleaner. Rinse thoroughly with fresh water and allow to fully dry. All surfaces must be dry at time of application.

**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.

### APPLICATION

**IMPORTANT:** Product must be properly mixed before and during use. Hand mixing will not adequately mix product and produce inconsistent results and is not an approved method. Power mixing is required to properly mix material into a useable state.

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

## PRODUCT APPLICATION (cont.)

### EQUIPMENT RECOMMENDATIONS

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

**ROLLER:** Not recommended.

**AIR-ATOMIZED SPRAY**

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

**AIRLESS SPRAY**

Fluid Pressure	Fluid Tip	Filter Mesh
2,100-2,400 psi	0.019-0.021	60

### THINNING

**BRUSH/ROLLER:** 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 Rust-Oleum® High Performance Mineral Spirits or comparable 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%

<b>SPECIALTY</b>	<b>TECHNICAL DATA</b>	<b>RO-177</b>
	<b>RUST-OLEUM® 7000 SYSTEM COLD GALVNZING COMPOUND</b>	

**PHYSICAL PROPERTIES**

		COLD GALVANIZING COMPOUND
Resin Type		Epoxy ester
Pigment Type		Metallic Zinc
Solvents		Aliphatic Hydrocarbons
Weight	Per Gallon	28.3 lbs.
	Per Liter	3.4 kg
Solids	By Weight	89.5%
	By Volume	54.1%
Volatile Organic Compounds		<360 g/l (3.0 lbs./gal.)
Recommended Dry Film Thickness (DFT) Per Coat		2.5-3.5 mils (62.5-87.5µ)
Wet Film to Achieve DFT (unthinned material)		3.5-4.5 mils (87.5-112.5µ)
Practical Coverage at Recommended DFT (assumes 15% material loss)		310-440 sq. ft./gal. (7.6-10.8 m <sup>2</sup> /l); based on wet to dry ratio
Dry Times at 21-27°C and 50% Relative Humidity	Tack-free	30-60 minutes
	Handle	1-2 hours
	Recoat	12 hours
Dry Heat Resistance		100°C
Shelf Life		2 years
Safety Information		<b>COMBUSTIBLE LIQUID AND VAPOUR. 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 from the actual manufactured material.

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.



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