

SPECIALTY	TECHNICAL DATA	RO-211
<b>RUST-OLEUM®</b> HIGH PERFORMANCE	<b>ROCALKYD COLD GALVANIZING COMPOUND 7000</b>	

## DESCRIPTION AND USES

**ROCALkyd Cold Galvanizing Compound 7000** is a high-performance, self-priming coating that instantly repairs worn or damaged galvanized steel or metal surfaces. This coating contains 95% pure zinc in the dry film. Cold Galvanizing Compound is perfect when maximum corrosion protection is required or to protect and repair bare sheet metal, galvanized ducts, storage tanks, fences, gutters, trucks, trailers and more. 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.

## PRODUCT FEATURES AND BENEFITS

- 95% Pure Zinc in Dry Film for Cathodic Corrosion Protection
- Self-Priming and Excellent Adhesion to Galvanized Metal
- Apply by Spray for a Smooth, Gray Finish
- Meets Requirements for ASTM A-780-01, SSPC Paint 20, MIL-P-21035B
- Two-Year Rust-Proof Guarantee\*

## PRODUCTS

SKU	DESCRIPTION
206194T	1-Quart
206193	1-Gallon

## RUST PROOF GUARANTEE\*

\*Submitting the Two-Year Rust-Proof Guarantee form located on the **ROCALkyd Cold Galvanizing Compound 7000** web page completely filled out, signed and with proof of purchase attached, no later than 30 days after project completion for projects using up to 50 gallons is required to qualify for the rust-proof guarantee. For projects larger than 50 gallons, please contact Rust-Oleum Technical Service Department at: Rust-Oleum Technical Service Department, 11 Hawthorn Pkwy, Vernon Hills, IL 60061, or email to: [technicalservice@rustoleum.com](mailto:technicalservice@rustoleum.com)

## 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® PRO Cleaner Degreaser. Mold and mildew must be cleaned with Krud Kutter PRO One Step Cleaner & Disinfectant. Rinse thoroughly with fresh water and allow to fully dry. All surfaces must be dry at time of application.

## PRODUCT APPLICATION (cont.)

#### SURFACE PREPARATION (cont.)

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

**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 Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

#### 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 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	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

**CAUTION:** Protect surrounding surfaces from over spray. Over spray can be wet or dry depending on height of work, weather, environmental conditions, and application equipment. Wet over spray can adhere to unwanted surfaces. Dry over spray may be removed by wiping or washing. Always clean dry over spray from hot surfaces before fusing occurs as surface temperatures can be higher than the air temperature.

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## PRODUCT APPLICATION (cont.)

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#### THINNING

BRUSH/ROLLER: Normally not required.

AIR ATOMIZED SPRAY: Professional Solutions Mineral Spirits Thinner: Normally not required. If needed, use up to 5% by volume.

AIRLESS SPRAY: Professional Solutions Mineral Spirits Thinner: Normally not required. If needed, use up to 5% by volume.

#### CLEAN-UP

Professional Solutions Mineral Spirits Thinner.

## 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%

### SALT SPRAY (1000 hours)

METHOD: ASTM B117 (Rust)

RESULT: 10

METHOD: ASTM D1654 (Scribe Creep)

RESULT: Rating 10

METHOD: ASTM D714 (Blisters)

RESULT: Rating 10

**SPECIALTY****TECHNICAL DATA****RO-211****RUST-OLEUM®****HIGH PERFORMANCE****ROCALKYD COLD GALVANIZING  
COMPOUND 7000****PHYSICAL PROPERTIES**

ROCALKYD 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>		<340 g/l (2.84 lbs./gal.)
<b>Recommended Dry Film Thickness (DFT) Per Coat</b>		2.5-3.5 mils (62.5-87.5 $\mu$ )
<b>Wet Film to Achieve DFT (unthinned material)</b>		3.5-4.5 mils (87.5-112.5 $\mu$ )
<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>		2 years
<b>Safety Information</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.

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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