



# TECHNICAL DATA SHEET

## **GALVACON™ GC-243**

### **COLD GALVANIZING COMPOUND**

(Meets Federal Specification TT-P-641 G Type I & Military Specification MIL-P-21035A)

#### **PRODUCT**

**DESCRIPTION:** A 97% pure zinc metal easy-to-use and fast-drying cold-galvanizing compound for galvanized metal, iron and steel.

#### **BASIC USES:**

As an extreme duty primer for abraded or damaged areas on galvanized steel. Excellent for treatment of rust — will stop rust and rust creepage on iron and steel immediately. Provides excellent protection to welded or abraded areas where the protective galvanizing has been removed from the metal surface.

#### **PRODUCT**

**ADVANTAGES:**

* 97% pure zinc metal	* Stops rust immediately
* Ready to use	* Extra long-lasting
* High build	* Fast-drying

### **TECHNICAL DATA**

<b>Percent Solids:</b>	88.00 ± 1% by weight 59.00 ± 1% by volume	<b>Finish:</b>	Flat (2°-5°)* *Geometry 60°
<b>Flash Point:</b>	83°F TOC	<b>Color:</b>	Gray
<b>Weight / Gallon:</b>	24.00 ± 0.5 lbs.	<b>Viscosity:</b>	98–100 Ku's
<b>Sizes:</b>	1 gallon 1 quart	<b>Percent Pigment by Weight:</b>	80.00 ± 1%
<b>Recommended Film Thickness:</b>	2 mils dry. 6 mils wet.	<b>Theoretical Coverage:</b>	450 sq. ft./gal.
<b>Drying Time:</b>	To touch: 25 minutes To topcoat: 24 hours To cure: 24 hours		
<b>Thinning:</b>	Thin only when applying by conventional spray method, at a rate of four parts <i>LANCO® Galvacon™ GC-243</i> to one part <i>LANCO® Lacquer Thinner LT-102</i> .		

**Surface Preparation:** Surfaces must be dry, clean and free of all contaminants. Remove all oil, grease, mildew and all other foreign materials by Solvent Cleaning (SSPC-SP 1-63) with *LANCO® Lacquer Thinner LT-102*.

**New Surfaces:** *GALVANIZED STEEL:* When applying over abraded or damaged areas sandblasting is recommended. If Sandblasting is not possible, clean and abrade surface by hand tool clean (SSPC-SP 2-63) or power tool clean (SSPC-SP 3-63). *STEEL:* Although Galvacon is designed primarily as a primer for abraded or damaged areas on galvanized metal, it may be used as a touch up primer on bare steel. For best result, apply only to abrasive blasted steel. For best performance, Near White Blast Cleaning (SSPC-SP 10-63) is recommended as proper preparation. Commercial Blast Cleaning (SSPC-SP 6-63) is acceptable for less severe exposures. Proper blast media and blasting equipment shall be used to provide an average profile depth of 1.5 mils minimum. Do not reuse sand abrasive media. Shot abrasive must be thoroughly clean and free of contaminants before reuse. Remove blasting dust and grit from surfaces before painting. Blasted surfaces should be coated within 8 hours after blasting or before rusting or other contamination of the surface occurs.

**Previously Painted Metals:** Remove old coating completely, for best performance Near White Blast Cleaning (SSPC-SP 10-63) is recommended as proper preparation. Blasted surfaces should be coated within 8 hours after blasting or before rusting or other contamination of the surface occurs.

**Directions:** Clean all surfaces as recommended. *LANCO® Galvacon™ GC-243* must be thoroughly stirred, until pure zinc content is completely dispersed. Apply *LANCO® Galvacon™ GC-243* to clean and dry metal surfaces.

**Method of Application:** BRUSH: Use a good quality nylon or polyester brush.

ROLLER: Use a *LANCO® All-Purpose 1/4" Nap Enamel Roller PA-565*.

CONVENTIONAL SPRAY: Reduce *LANCO® Galvacon™ GC-243* at a ratio of four parts *LANCO® Galvacon™ GC-243* to one part of *LANCO® Lacquer Thinner LT-102*. For pressure feed, use DeVilbiss MBC gun with E tip and needle and 704 air cap or equivalent at 40-45 psi atomizing pressure, 3/8" ID material hose, double regulated pressure tank with oil and moisture separator. Special packing may be necessary due to the abrasive nature of the zinc dust in this product.

AIRLESS SPRAY: No reduction required when spraying. Minimum of 28:1 ratio pump, .013"-.015" tip, 1/4" ID Teflon material hose.

DIPPING: Because of individual requirements, call the lab at *LANCO® Mfg. Corporation* for instructions.

**Note:** During lunch, breaks or any period of work stoppage, material should be removed from hoses. Release pressure from equipment and flush hoses and equipment with *LANCO® Lacquer Thinner LT-102*.

**Drying Time:** *LANCO® Galvacon™ GC-243* dries fast (set to touch in 25 minutes). Allow 24 hours before applying topcoat.

**Disposal:** Keep container closed when not in use. In case of spilling, absorb with inert material and dispose of in accordance with applicable local, state and federal regulations.

**Precaution:** Keep away from heat, sparks, and open flame. Vapor is heavier than air. Prevent build-up of vapor — open windows and doors. Use only in cross-ventilated areas. Extinguish all flames and pilot lights, and turn off stoves, heaters, and/or electric motors, and eliminate all other sources of ignition during use and until all vapor is gone. Keep container closed when not in use.

**Danger:** Use only with adequate ventilation. Avoid prolonged or repeated breathing of vapor. Do not take internally. Swallowing may cause injury, illness or death. Avoid prolonged or repeated contact with skin. Do not get in eyes. Do not eat, drink or smoke in work areas.

**Notice:** The technical data contained herein are true and accurate to the best of our knowledge. Published technical data and instructions are subject to change without prior notice.

**M.S.D.S.:** Available upon request.