



Galvacon™ GC-243

Cold Galvanizing Compound for Iron and Steel

Description:

Galvacon™ is a ready to apply organic zinc compound for cold galvanizing on iron and steel. Is an equivalent to hot-dip galvanizing containing 97% pure zinc metal for interior and exterior. Excellent for treatment of rust; will stop rust expansion on iron and steel metals.

Meets Requirements for:

MPI:	N/A
Green Performance 1:	N/A
Green Performance 2:	N/A
VOC Compliant (<400g/L):	Yes
SCAQMD:	N/A
AIM & OTC:	N/A

Product Advantages:

- 97% pure zinc metal
- Equivalent protection to hot-dip galvanizing
- Anti-corrosive protection for weldments
- For direct use on prepared iron and steel
- High performance and lead free base coat
- Resistant to oxidation
- Impact and abrasion resistant
- Fast-drying

Performance:

DOD-P-21035A	Yes
MIL-P-21035A	Yes
ASTM D 3960	Yes
TT-P-641 G Type I	Yes

Uses:

Galvacon™ is widely used to repair or replace hot-dip galvanizing. As an extreme duty primer for abraded or damaged areas on galvanized steel. Excellent protection treatment for rust in welded or abraded areas where the protective galvanizing has been removed from the metal surface. Also recommended for long-term protection of structural steel, water and waste facilities, power plants, steel decking and bridges.

Technical Data:

Product Type:	Alkyd Resin
Finish:	Flat (1° - 3°) *Geometry 60°
Solids (%):	88 ± 2% by weight 58 ± 2% by volume
Weight/Gallon:	24 ± 0.05 lbs. (10.89 ± 0.02 kg.)
Colors:	Gray
Drying Time:	To touch: 25 - 30 min. To topcoat: 20 - 24 hrs.
Coverage:	Theoretical: Up to 930 ft. ² per gallon @ 1 mil Recommended: 400-450 ft. ² /gal. (37-41 m ² /gal.) @ 2.1 dry mils, 3.6 wet mils
Sizes:	1 gallon 1 quart
Thinning:	Lacquer Thinner LT-102
Flash Point:	83 °F TOC
Viscosity:	98 - 102 Ku's
Percent Pigment by Weight:	80 ± 2%
VOC:	<320 g/L

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.

S.D.S.: Available upon request.

Surface Preparation:

All surfaces must be dry, clean, sound and free of contaminants. Remove all dirt, grease, chalk, mildew, oil, rust, dust, and other soluble contaminants from steel surfaces by solvent cleaning or other method.

SSPC-SP1 Solvent Cleaning

Use this method to remove off all visible oil, grease, soil, drawing and cutting compounds, and other soluble contaminants from steel surfaces with solvent Lanco® Lacquer Thinner LT-102, vapor cleaning, alkali, emulsifying agent, or steam.

SSPC-SP3 Power Tool Cleaning

Use this method to remove all loose mill scale, loose rust, loose paint, and other loose detrimental foreign matter by power wire brushing, power sanding, power grinding, power tool chipping, and power tool descaling.

SSPC-SP6 / Commercial Blast Cleaning

Use this method to remove mill scale with commercial blast cleaning method. Preparing metal surfaces for coating by the use of abrasives propelled through nozzles or by centrifugal wheels. It requires the removal of all visible scale, rust and other surface contaminants. Generally evenly dispersed very light shadows, streaks and discoloration caused by stains of rust, stains of mill scale and stain of previously applied paint may remain on no more than 33% of the surface. Slight residues of rust and paint may also be left in the craters or pits if the original surface is pitted.

SSPC-SP10 Brush-Off Blast Cleaning

Use this method to remove old coating completely for best performance near white blast cleaning. Blasted surfaces should be coated within 8 hours after blasting or before rusting or other contamination of the surface occurs.

Method of Application:

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.

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 40-45psi 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 allow contact with eyes or product to in eyes. Do not eat, drink or smoke in work areas.

