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Product Description Sheet

Cold Galvanizing Compound

Maintenance, Repair & Operations, December 1998

PRODUCT DESCRIPTION

LOCTITE® Cold Galvanizing Compound is a gray, liquid aerosol compound containing 92% zinc in the dried film. Electrochemically bonds zinc to iron and steel to protect against rust and corrosion creepage.

PRODUCT FEATURES

- Formulated for severe conditions - highly resistant to salt corrosion and water.
- Sacrificial action of zinc prevents corrosion creepage - protects even when scratched.
- Provides protection better than or equal to hot dip galvanizing.
- Ideal touch up for damaged, galvanized metals and welded seams.
- High adhesion, flexible coating - won't yellow, chalk, crack or peel.
- Easily sprayed onto all metal surfaces.
- May be topcoated with conventional metal primers or finish coats.
- Does not contain methylene chloride.
- Does not contain chlorofluorocarbons harmful to the environment.

TYPICAL APPLICATIONS

- Fabricated metal, welds, structural steel, wrought iron, damaged galvanized surfaces, fences, gutters, guard rails, bridges, air conditioning and refrigeration units.
- General maintenance of metal structures, equipment and machinery in: food plants, refineries, power plants, highway maintenance, transmission towers, marine, utility, farm, metal fabricating and structural iron industries.

DIRECTIONS FOR USE

Surface Preparation:

Proper surface preparation contributes to maximum service life of coatings. All contaminants (mill scale, rust, rust scale, chemicals, grease, oil, wax, weld splatter, old paint or other foreign matter) must be removed down to bare metal.

1. New Galvanized Metal:

Oils, greases, and waxes may be removed with mineral spirits or xylol. Stronger aromatic solvents such as xylol are recommended to remove silicone surface treatments. Silicates or white rust should be removed by sanding or sweep-blast. Do not use acetic acid or vinegar for surface preparation of galvanized metal. Keep surfaces moisture-free until coated with Cold Galvanizing Compound. Spot reblast to remove any contamination - solvent wiping is not satisfactory.

2. Previously Coated Surfaces:

If coated surface has been scratched or penetrated to expose substrate, it should be treated as new galvanized metal. Previously coated surfaces in good condition should be treated to ensure a clean, dry surface, free of contaminants.

3. Metal (iron or steel):

Round off all rough welds, rivet heads and weld spatters. There are several methods of surface preparation depending upon the surface condition of the metal. Contaminants may be removed by wire brushing, chipping, scraping or sanding. If more effective cleaning is needed, power tools can be used. Mill scale may be removed with acid. After treatment, surface must be rinsed thoroughly. Grease and other soluble materials can be removed with solvents such as mineral spirits or by steam cleaning. If surface is particularly contaminated, several different methods of sand-blasting could be used.

Application:

1. SHAKE CAN WELL until agitator ball is free (approximately 2 minutes). Continue to shake can during use.

2. Best results are obtained when sprayed above 60°F. Spray from a distance of 12 to 15 inches. Apply a heavy, wet coat to obtain proper thickness with bare areas or pinholes. Double lap spray all welds, corners, edges, etc.

3. When finished spraying, clear valve by turning can upside down and pressing button. If clogging occurs, remove button and clean slot and orifice with fine wire.

NOTE: Not recommended for immersion in acid or alkaline solutions or in areas where these solutions might be spilled.

PROPERTIES OF UNCURED MATERIAL

	Typical Value
Chemical Type	Epoxy Resin
Appearance	Gray liquid
Odor	Solvent
Specific Gravity (base only)	1.16
Flash Point, TCC, °F (propellant)	-0

GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

Ordering Information

Item Number	Container Size
82039	15 oz. Net Wt. Aerosol

Storage

Products shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8° to 28°C (46° to 82°F) unless otherwise labeled. To prevent contamination of unused product, do not return any material to its original container. For specific shelf-life information, contact your local Technical Service Center.

Data Ranges

The data contained herein may be reported as a typical value and/or range. Values are based on actual test data and are verified on a periodic basis.

Note

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Loctite Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Loctite Corporation's products. Loctite Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Loctite Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.