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Specification CG™ Cold Galvanize (CG-13)

CG™ Cold Galvanize is an organic zinc rich coating for steel and ferrous metals that combines the resistance properties of an epoxy and the galvanic properties of zinc. This high performance epoxy compound fuses zinc to the metal substrate and protects against corrosion equal to Hot Dip Galvanizing. CG™ Cold Galvanize is self-healing and prevents creepage even when the surface has been penetrated or scratched. After curing, CG™ Cold Galvanize may be coated with conventional primers and finishes.

FEATURES

- 95% Organic Zinc in Dry Film
- Long Term Corrosion Protection
- Meets Mil Specifications

SPECIFICATIONS	
Appearance	Gray/Matte Finish
Coverage	10 – 15 Square Feet per Aerosol Can (CG-13)
Dry Film Thickness	1.0 to 3.0 mils (.025mm - .075mm)
Zinc Content	95% in Dry Film
Drying Time	To Handle – 30 minutes @ 70°F (21°C) To Topcoat – 3 hours @ 70°F (21°C)
Temperature Resistance	250°F (121°C) – Sustained, 300°F (149°C) - Intermittent
Weldable	Yes
Mil Specifications & Certifications	P-26915A - Type 1 Class A primer for Steel (USAF) DOD-21035A - Zinc Rich Galvanize Repair P-46105 - Weld through Zinc Rich Primer Salt Fog - Pass 1,000 Hours (ASTM B117) Humidity - Pass 500 Hours (ASTM D2247)

SURFACE PREPARATION

New Steel: Surface must be dry and free of contamination. Remove all weld splatter and grind all rough welds to a smooth contour. For severe exposure (immersion, chemical, etc.) near-white blast clean per SSPC SP 10-63T. For other exposures, blast clean per SSPC SP 6-63 to a maximum profile of 1.5 mils (.038mm).

Previously Painted Surfaces: Must be free of oil, grease, and other contamination. For best results, spot blast exposed areas to be coated. Power tool brushing may be used for minor touch-up.

PROPERTIES	
Specific Gravity	1.19
Solids by Weight	43%
VOC Lb/Gallon (Kg/L)	5.6 Lbs/Gallon (0.67Kg/L)
Flash Point	-156°F (-104°C) TCC for Aerosol
Shelf Life	24 months
APPLICATIONS	
Recommended Film Thickness	1.0 to 3.0 mils (.025mm - .075mm)
Cure Time	30 to 40 minutes. Air Dry

USAGE INSTRUCTIONS

Surface shall be dry, 5°F (3°C) above the dew point, with air temperatures greater than 50°F (10°C). Surface must be free of rust bloom. Shake can vigorously until agitator frees. Spray using light, even strokes about 18 inches (1/2 meter) from surface. Several thin coats are recommended. Allow 15 minutes drying time between coats. Final coat should dry thoroughly (up to 24 hours). To avoid clogging nozzle, invert can and spray until only air escapes.

CONTAINS

Zinc Dust (CAS 7440-66-6), 2-Butanone (CAS 78-93-3), Xylene, Mixed Isomers (CAS 1330-20-7), Ethyl Benzene (CAS 100-41-4), VMP Naptha-66 (CAS 64742-89-8) and Propane (CAS 74-98-6).

CAUTION

Keep away from Heat, Sparks, Open flames, Electrical equipment, etc. DO NOT MIX WITH WATER OR USE WATER FOR FIRE. (See MSDS Sheet).