



Product Information

Silver Zinc Primer #70

Cold Galvanizing Compound: Bright Silver Appearance – Matches the bright appearance of Hot Dip Galvanize



Silver Zinc Primer #70 combines the bright appearance of Hot Dip with the long-lasting protection of zinc.

Silver Zinc Primer #70 is an organic zinc rich compound that is formulated to protect steel and ferrous metals from corrosion. It combines the resistance properties of epoxy and the galvanic protection of zinc. This is a pure zinc epoxy base one-package primer.

Silver Zinc Primer #70 Cold Galvanizing Compound fuses zinc to the metal substrate and protects against corrosion equal to Hot Dip Galvanizing. It meets and exceeds specification of ASTM A780 for the Touch-up and Repair of Hot Dip Galvanize.

Silver Zinc Rich Primer #70 Cold Galvanizing Compound is self-healing, and prevents creepage even when the surface is penetrated or scratched. After curing, it may be coated with conventional primers and finishes such as epoxy, coal tar epoxy, vinyl phenolics, urethanes, acrylics & chlorinated rubber.

Features:

- High loading of zinc (70%) for long-lasting protection against corrosion
- Bright Appearance that closely matches the appearance of Hot Dip Galvanize
- Meets & exceeds the specifications of ASTM A780 for the Touch-up and Repair of Hot Dip Galvanize
- Widely used by galvanized fence manufacturers and installers

Surfaces Include

- | | |
|-------------------------------|---------------------------------|
| • Structural Steel | • Fences |
| • Wrought Iron | • Gutters |
| • Welds | • Food Plants |
| • Bridges | • Power Plants |
| • Towers | • Refineries |
| • Damaged Galvanized surfaces | • Interior of Automotive Panels |

Mil Specs and Certifications

ASTM A780.....	Touch-up and Repair of Hot Dip Galvanize
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 500 Hours ASTM B117
Humidity.....	Passes 1000 Hours ASTM D2247

Specifications

Appearance	Aluminum Finish
Coverage	427 Sq. Feet/Gallon at 1 mil dry at 90% recovery
Dry Film Thickness	2.0 to 3.0 mils
Zinc Content	70% in Dry Film
Drying Time	To Handle: 30 to 40 Minutes at 70°F To Topcoat: 2 to 3 Hours at 70°F
Temperature Resistance	250°F – Sustained 300°F – Intermittent
Weldable	Yes

Packaging

1-gallon pail (3.785 liters)
2 x 5-gallon pails (18.9 liters per pail) *
* min order of 2 x 5-gallon pail qty
F.O.B. Phila, PA U.S.A.

For More Information, Contact:

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SURFACE PREPARATION:

New Steel: Surface must be dry and free of contamination. Remove all weld splatter and grind all rough welds and sharp edges 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.

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

Specifications	Cure Rate
Weight/Gallon: 12.08 ± 0.20 lbs. Solids by Weight: 57% ±2% Solids by Volume: 26.7% ±1% VOC (Volatile Organic Content) Lb/Gallon: 5.2 lbs per gallon Viscosity: 68 – 78 KU Flash Point: 45°F T.C.C. Non-Sag: 14 - 30 mils wet minimum Coverage: 429 sq ft per gallon @ 1mil (100% efficiency)	Air dry: 30 to 40 minutes @ 75F 50% RH Shelf Life: 6 to 12-months
Applications	Performance Properties
Reduction Apply By: Spray, HVLP, Air & Assisted Airless Reduction: As required Reducer: Xylol Substrate: Galvanized steel Wet film: 5.5 to 7.0 mils Dry film: 1.5 to 2.0 mils	Salt Spray: 500 hours minimum ASTM B-117 Humidity: 1,000 hours ASTM D-2247 All tests on galvanized steel

SPRAYING

Surface shall be dry, 5°F above dew point with air temperatures greater than 50°F. and must be free of rust bloom. For air-atomized spray, fluid tips of .070” and air caps delivering 9-10 CRM at 30 PSI are acceptable. A 3/8” to 1/2” material hose is recommended. If thinning is required, add 1 to 4% Xylol, Xylene or Mineral Spirits to reach desired consistency. Material should be kept under constant slow speed agitation during process. Double lap all welds, seams, corners & edges to ensure film thickness. Make even parallel passes with 50% overlap to provide uniformity.

BRUSHING

Zinc Rich Primer has high viscosity and good anti-sag properties that are suitable for brushing. If container is exposed to open air for extended time, add small amounts of Xylol, Xylene or Mineral Spirits to thin to proper viscosity

CONTAINS

Zinc Dust (CAS #7440-66-6), Xylol (CAS #1330-20-7), Ethyl Benzene (100-41-4), and VMP Naphtha-66 (CAS #64742-89-8)

CAUTION

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

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