Technical Data Sheet
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401 Growth Parkway
Angola, IN 46703

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Bariline 750Z

Single Component Weld-Through Zinc Rich Primer

Description:

Single component epoxy zinc rich weld-through primer containing 80% zinc in dry film. The Zinc is dispersed in an epoxy based vehicle which makes a great combination to provide galvanic cell for the prevention of rust generation on structural steel. This coating provides corrosion protection to ferrous metal surfaces; the pure Zinc content in the formula provides a film comparable to that obtained by galvanization. Zinc acts as sacrificial anodization providing robust corrosion protection during welding process ASTM D520 level II. The zinc fuses to metal substrates for protection equal to or better than hot-dipped galvanizing. This protection becomes effective when the surface is scratched, broken, or corrupted. With the presence of moisture, the zinc coating will corrode while continuing to protect the metal it covers. This product meets standard for zinc content classification hence it is acceptable as a coating in federally inspected meat and poultry plants for application to structural surfaces or surfaces where there is a possibility of incidental food contact. It acts as both a metallic primer and single coat for iron, steel, and their welds. It may be topcoated with suggested topcoats from Baril's product line.

Advantages:

- Cost Effective one coat system
- Fast Dry
- Excellent Weathering
- DTM to marginally prepared surfaces
- Weld-Through Primer
- Meets SSPC Part 15 Performance Standard

Uses:

Use on damaged galvanized surfaces, structural steel, automobiles, guardrails, bridges, TV and radio towers, welded joints, storage tanks, signs and signposts, equipment (farming, mining, construction, power plant, railroad, offshore, etc.), gutters, pipelines, transformers, corrugated metal buildings, fasteners, conduit and strapping.

Material Properties	
Gloss Level	Flat
Density	19.1 +/- 0.2 lbs/gal
Volume Solids	40% +/- 1.0%
VOC	3.47 lbs/gal 415.8 grams/ltr
Dry Film Thickness	1.5-2.0 mils
Pot Life (68°F/20°C)	N/A - Single Component
Theoretical Coverage	324 sq ft/gal @ 2.0 mils DFT
Practical Coverage	As a guideline for airless spraying on large dimensions: 70% of theoretical coverage. For small dimensions: 50%

General Surface Preparation: Following are recommended minimum requirements for substrate pre-treatment: • Grease or Oils Solvent clean (SSPC-SP1) • Rust scale Power tool (SSPC-SP3) • Mill scale Sandblast (SSPC-SP6) SCOPE: Damaged areas caused by cutting, welding, drilling or abrasion.

Surface Preparation & Application: For all areas that need to be repaired. For brush or spray, apply 1.5 to 2.0 mils in the dry film thickness. When possible apply within two hours of the time the damage to the galvanized surface happened, to prevent oxidation of exposed areas. Areas damaged by welding, remove any weld spatter by wire brushing or by mechanical means, before use of the zinc rich paint. Apply material so that it extends at least 2-4 inches beyond edges of damaged areas, to ensure continuity of galvanic action.

Mixing Instructions:

Thoroughly mix product using a mechanical mixing device. Bariline 750Z is used as single component only.

Packaging:

Available in 1 gallon cans.

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Application Instructions

Spray Method	Airless	Air Assisted Airless	Air Spray / HVLP
Thinner	NA	NA	NA
Quantity	NA	NA	NA
Nozzle or Tip Size	0.009 to 0.013	0.009 to 0.013	1.0 mm to 1.4 mm
Fluid Pressure	2000 to 3000 PSI	1000 to 1500 PSI	20-30 PSI
Air Pressure	N/A	30 PSI	25-40 PSI
Dry Film Thickness	2.0-3.0 Mils	2.0-3.0 Mils	2.0 to 3.0 Mils

Performance Characteristics

Chemical Resistance	Excellent
Chemical Resistance	25 Double MEK Rubs
Adhesion (Cross Hatch) ASTM D 3359:	Passes 5B on Bonderite 1000
Salt Spray ASTM B-117	Direct to Bonderite 1000 1000 hrs

Dry Times: 70°F @ 1-2 mils DFT

To Touch:	30 Minutes
To Handle:	1-Hour
To Re-Coat:	Before 2 Hours or After 35 Hours
Full Cure:	7 days

During drying and curing the relative humidity should remain between 55-90%. Temperatures below 45°F will extend the dry times.

Health & Environmental:

In accordance with OSHA regulations on hazardous materials, harmful and irritating if in contact with skin, eyes and by inhalation. Observe safety information from MSDS sheets. Always wear proper protective suits, gloves and eye protection. In case of eye contact, immediately wash with large amounts of water and contact a medical expert. If spraying, always wear proper NIOSH approved respirators. Fresh air fed respirators are preferred. Do not eat, drink or smoke during application. Discharge, treatment or disposal is subject to federal, state, commonwealth, provincial and local laws. Since empty containers retain product residue, follow label warnings even after container is emptied. Residual vapors may explode on ignition; do not cut, drill, grind or weld on or near this container.

Cleaning Instructions:

Cleaning tools: Clean immediately after application using MEK or Lacquer Thinner.

Warranty / Disclaimer:

The technical data and other printed information furnished are true and accurate to the best of our knowledge. The products are warranted pursuant to acceptance of limited warranty. A copy of which can be obtained from Baril Coatings, which is the exclusive warranty with respect to the sale of this product. The modification of any component or uses not outlined in this bulletin nullifies the warranty unless advance written confirmation is obtained from Baril Coatings. No other warranties expressed or implied shall apply. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, shall be to supply replacement materials as set forth in the limited warranty.

Bariline
Affordable Quality

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Sustainable Coating Solutions
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