ZRC 221® Galvanizing Compound

ZRC 221 provides the same true galvanic protection as our original ZRC Cold Galvanizing Compound using 43% fewer volatile organic compounds—another ZRC innovation in zinc rich technology.

Enjoy the following great benefits with ZRC 221:

- Excellent for reducing VOC emissions in restricted areas/production facilities
- 92% zinc in the dry film using only Type III “ultra pure” ASTM-D-520 zinc
- ISO 9001 registration assures the highest quality consistently
- Meets and exceeds the performance requirements of Fed. Spec.
- DOD-P-21035A (Galvanizing Repair Spec); MIL-P-26915A (USAF Zinc Dust Primer); ASTM Des. A-780 (Standard Practice for Repair of Damaged Hot-Dip Galvanized Coatings); SSPC-Paint 20 (Specification for Zinc-Rich Primer)
- Passes 3,000 hours salt spray testing without failure (ASTM Des. B117)
- Passes Preece Test (ASTM Des. A239) for hot-dip galvanizing

For specification assistance, application assistance, test reports and product selection please contact our customer support at (800) 831-3275 or our website www.zrcworldwide.com.

THE ZRC DIFFERENCE

The ZRC difference is made possible by ZRC’s high zinc content (92% by weight in the dried film) of “ultra pure” (ASTM D 520 Type III) zinc dust, ensuring that more metallic zinc is available for superior galvanic protection against corrosion. This high purity zinc dust is compounded with a tenacious non-encapsulating binder using a highly controlled trade secret process in our state-of-the-art manufacturing facility.

The result is a self-healing galvanic film that does not require sand-blasting for most applications, providing both up-front labor savings and extended longevity of corrosion protection. We offer a Certificate of Compliance to these exacting material standards and a copy of our most recent ISO Registration Certificate.

The Proof is in the Photos
These scanning electron microscope photos illustrate the difference between the true galvanic protection of ZRC and a competitor’s low percentage zinc coating.

APPLICATIONS

Field applied galvanizing
Repairing hot-dip galvanizing
Rust proofing welds
Repairing inorganic zinc
Regalvanizing of worn hot-dip
Metal fabrication
Construction
Manufacturing/OEM
Antenna Towers
Petrochemical Plants
Roads & Bridges
Tanks
Industrial Maintenance
Water Treatment
Marine & Offshore
Cooling Towers
Hundreds more!
Meets and exceeds the performance requirements of Fed. Spec. DOD-P-21035A, formerly MIL-P-21035 (Galvanizing Repair Spec.)

Meets and exceeds the performance requirements of Fed. Spec. MIL-P-26915A (USA: Zinc Dust Primer)

Passes E3 Test (ASTM Des. A239) for hot-dip galvanizing

Resists intermittent dry-heat temperatures up to 750°F

Meets and exceeds the performance requirements of SSPC-Paint 20 (Specification for Zinc-Rich Coatings)

SUGGESTED SPECIFICATION

Organic Zinc-Rich Coating containing a maximum of 221 gms/L VOC, as supplied, and at least 92% metallic zinc (ASTM D520, Type III), by weight, in the dried film, exhibiting galvanic, anti-corrosion protection to iron and steel, and conforming to Society for Protective Coatings Specification SSPC Paint 20, Type II, Level 1, Zinc Rich Coating and American Society for Testing and Materials Standard Practice for Repair of Damaged and Uncoated Areas of Hot-Dip Galvanized Coatings, ASTM A 780-01, and meeting the performance requirements of Specification SSPC Paint 29, Type II, Level 1, Zinc Dust Sacrificial Primer Performance-Based, Military Specification MIL-P-21035B, Paint High Zinc Dust Content, Galvanizing Repair (Metric) and Military Specification MIL-PRF-26915D, Primer Coating, For Steel Surfaces; as manufactured by ZRC Worldwide, Marshfield, MA or other facility having been registered to the International Organization for Standardization (ISO) 9000:2000 standard for our own state-of-the-art manufacturing facility.

** MATERIALS/FINISHES

A unique formulation of 92% pure zinc metal as a liquid coating, ZRC 221 Galvanizing Compound is manufactured to exacting standards in our own state-of-the-art manufacturing facility.

** AVAILABLE/COST

Immediately available off the shelf, ZRC 221 Galvanizing Compound is manufactured according to the most stringent quality control standards, so you can rely on their consistency.

** TOPCOATING

After 24-48 hrs., topcoat with acrylic, epoxy, urethane or vinyl type products. DO NOT USE alkyd, alkyd-modified acrylic, or lacquer type products. Consult our Guide to Topcoating for detailed instructions.

** AVAILABILITY/COST

Immediately available off the shelf, ZRC 221 Galvanizing Compound is manufactured to exacting standards in our own state-of-the-art manufacturing facility. ZRC 221 Galvanizing Compound is offered directly from the manufacturer, or through a worldwide distribution network. The initial cost of ZRC is more than offset by substantial maintenance savings and the increased service life of protected surfaces. Contact ZRC Worldwide for current pricing and further information.

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