ZRC Galvilite® Galvanizing Repair Compound

ZRC’s Galvilite provides all the corrosion protection you’ve come to expect from the world’s most specified galvanizing repair compound—in a silvery finish that closely matches the color of galvanized metal.

Enjoy the following great benefits with ZRC’s Galvilite:

- 95% zinc in the dry film using only Type III “ultra pure” ASTM-D-520 zinc (lead and cadmium free)
- Recognized under the Component Program of Underwriters Laboratories, Inc. as equivalent to hot dip galvanizing
- Passes 3,000 hours salt spray testing without failure (ASTM Des. B117)
- Passes 9-year subtropical testing
- Low VOC approved in all 50 states
- ISO 9001 registration assures the highest quality consistently

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 GALVILITE DIFFERENCE

The ZRC Galvilite difference is made possible by Galvilite's high zinc content (95% 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 sandblasting 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 Galvilite and a competitor’s low percentage zinc coating.

APPLICATIONS

Repairing hot-dip galvanizing
Field applied 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!
After 12 hrs. Meets and exceeds ASTM Des. A-780 (Standard Practice for Passes 3,000 hours salt spray testing without failure**

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

Resists intermittent dry-heat temperatures up to 750°F

Meets and exceeds Fed. Spec. DOD-P-21035A,

Meets and exceeds Fed. Spec. MIL-P-26915A

Meets and exceeds SSPC-Paint 20 (Specification for Zinc-Rich Primer), Type II (organic), Level I, Type III zinc dust

** Copy of reports available upon request

Immediately available off the shelf, Galvite Galvanizing Compound is offered directly from the manufacturer, or through a worldwide distribution network. The initial cost of Galvite is more than offset by substantial maintenance savings and the increased service life of protected surfaces. Galvite is available in 3.5 gallon pails, gallon cans, quart cans, and a convenient 12 oz. aerosol spray. Contact ZRC Worldwide for current pricing and further information.

A unique formulation of 95% pure zinc metal as a liquid coating, ZRC Galvanizing Compound and Galvite are manufactured to exacting standards in our own state-of-the-art manufacturing facility. Galvite’s silvery metallic finish closely approximates the look of new hot-dip galvanizing. Standard ZRC Galvanizing Compound is light matte gray in color.

Silvery-finish Galvanic Zinc-Rich coating containing 95% metallic zinc, by weight in the dried film; recognized under the Component Program of Underwriters Laboratories, Inc. as an equivalent to hot-dip galvanizing; as manufactured by ZRC Worldwide, Marshfield, MA and manufactured according to the most stringent quality control standards, so you can rely on their consistency.

The fact that ZRC is registered to ISO 9001 assures our customers that the zinc-rich coatings manufactured in our facility are designed and manufactured according to the most stringent quality control standards, so you can rely on their consistency.

For areas and industries with more stringent VOC restrictions specify ZRC Galvanizing Compound and Galvite for quality.

The International Organization for Standardization ISO 9001 standards in our own state-of-the-art manufacturing facility. Galvite’s silvery-finish Galvanic Zinc-Rich coating containing 95% metallic zinc, by weight in the dried film; recognized under the Component Program of Underwriters Laboratories, Inc. as an equivalent to hot-dip galvanizing; as manufactured by ZRC Worldwide, Marshfield, MA

SUGGESTED SPECIFICATION

2500 cps. Brookfield spindle #5 @ 100 RPM, @ 25°C

24 lbs. (ASTM D1475)

86% (by weight)/52% (by volume)

3.3 lbs/gal (385 gms/fl.) (ASTM D3960)

2.3 lbs/gal (260 gms/ltr) (ASTM D3278)

24 hrs. @ 77°F (25°C)

73 million ohms per square @ 3 mils dry (resistivity)

750°F (399°C)

Greater than 30 inch-lbs. (extrusion) per ASTM-D2794

111°F (44°C) (SETA method, ASTM D3278)

ELECTRICAL CONDUCTIVITY

IMPACT RESISTANCE

ABRASION RESISTANCE

POT LIFE

PACKAGING

DRIED TIME

RECOAT TIME

MAXIMUM SERVICE TEMP - Intermittent

MAXIMUM SERVICE TEMP - Constant

MATERIALS/FINISHES

SUGGESTED SPECIFICATION

ZRC Worldwide has been registered to the International Organization for Standardization ISO 9001 Series Standards for Quality. The fact that ZRC is registered to ISO 9001 assures our customers that the zinc-rich coatings manufactured in our facility are designed and manufactured according to the most stringent quality control standards, so you can rely on their consistency.

© 2019 ZRC Worldwide. All rights reserved

145 Enterprise Drive, Marshfield, MA 02050-2132
Tel: 800.831.3275 or 781.319.0400 • Fax: 781.319.0540
www.zrcworldwide.com • E-mail: info@zrcworldwide.com

** Copy of reports available upon request

AVAILABILITY/COST

RECOAT TIME

TOPCOATING

Surface Preparation

Technical Data

| TYPE | Single pack, premixed, ready to apply, liquid organic zinc compound |
| THEORETICAL COVERAGE | 400 ft²/gal @ 1.5 mil dry film thickness |
| METALLIC ZINC CONTENT | 95% by weight in dry film |
| FLASH POINT | 111°F (44°C) (SETA method, ASTM D3278) |
| VOC CONTENT | 3.3 lbs/gal (385 gms/fl.) (ASTM D3960) |
| WEIGHT PER GALLON | 24 lbs. (ASTM D1475) |
| SOLIDS CONTENT | 86% (by weight)/52% (by volume) |
| VISCOSITY | 2500 cps. Brookfield spindle #5 @ 100 RPM, @ 25°C |
| MAXIMUM SERVICE TEMP - Intermittent | 750°F (399°C) |
| MAXIMUM SERVICE TEMP - Constant | 350°F (177°C) |
| ELECTRICAL CONDUCTIVITY | 73 million ohms per square @ 3 mils dry (resistivity) |
| IMPACT RESISTANCE | Greater than 30 inch-lbs. (extrusion) per ASTM-D2794 |
| ABRASION RESISTANCE | 11.5 liters per dry mil (tested @ 3 dry mils) per ASTM-D98-51 |
| POT LIFE | At least 24 hrs. @ 77°F (25°C) |
| PACKAGING | 3.5 gallon pails, gallon, quart, half pint and aerosol cans |
| DRY TIME | Set to touch. When ambient air dried, 20-30 minutes (Second coat) After 12 hrs. |
| RECOAT TIME | 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. |

Application

| BRUSH/ROLLER/AEROSOL | Apply as received in container. For Brush Application, use 100% Natural 100% Chinese bristle brushes. For Roller Application, use 3/8” nap rollers, made of mohair or lambs wool (sheepskin). |
| SPRAY (low pressure compressor type) | Atomized air pressure Fluid pressure Orifice of tip Viscosity reduction | 50 lbs/in² = 3.5 kg/cm² 15-20 lbs/in² = 1.1-1.4 kg/cm² 0.080 inches (0.20 cm) 4:1 GALVILITE:Mineral Spirits - OR- 16:1 GALVILITE:Xylene |
| SPRAY (airless type) | Pump Hose Orifice of tip Type of tip Filter screens Viscosity Recommended procedure | 30:1 1/2” (1.3 cm) (I.D.) 60°-0.026 inches (0.07 cm) Tungsten carbide, reversing Complete removal is recommended. However, if screens are employed, use no less than 30 mesh. No reduction required Connect hose directly to pump, without filter assembly, ensuring a hose length of 50 ft. max. Use in-pot agitator or continuous recycling. Use least pressure possible. Start at 1500 lbs/in² = 105 kg/cm² and increase as required for good spraying. |

CLEAN Up

| CLEAN UP | Mineral spirits solvent or Xylene |

ZRC Worldwide is a proud member of the American Zinc Association (AZA). AZA promotes the use of zinc and zinc-aluminum coated products through educational and advertising campaigns, market development, and public relations. ZRC Worldwide is a major manufacturer of hot-dip galvanized products, including coatings and repair products. ZRC Worldwide is dedicated to providing quality zinc-rich coatings and zinc-rich repair products that meet or exceed industry standards. ZRC Worldwide is committed to customer satisfaction and providing the highest quality products. ZRC Worldwide is a leader in the zinc industry and is proud to be a member of the American Zinc Association (AZA).