



GALVILITE

Your Future is Bright, with Galvilite.

The ultimate weapon in fighting rust is shining brighter than ever! ZRC's Galvilite® provides all the rust prevention you've come to expect from the world's leading galvanizing compound, in a new color that closely matches galvanized metal.

For nearly fifty years, engineers and contractors in all fields have relied on ZRC Galvanizing Compound for protection against corrosion. Now Galvilite offers the same great performance in a bright new color. Like the original ZRC, Galvilite is a liquid compound containing 95% zinc in the dried film that bonds to clean iron, steel or aluminum through electrochemical action. This provides maximum protection against rust and rust creepage. Because of its unique 95% zinc composition and genuine cathodic protection, Galvilite prevents corrosion in virtually any application.

As in all protective coatings, there are various levels of quality and performance in zinc compounds. ZRC's Galvilite is unquestionably the best in terms of both product formulation and performance characteristics. Proven again and again under the most demanding conditions and in a variety of applications, ZRC and Galvilite continue to provide the ultimate in corrosion prevention.

You'll enjoy the following great benefits with ZRC's Galvilite:

- Stops rust and rust creepage on any surface, anywhere.
- Renews worn or damaged hot-dip galvanized surfaces.
- Effective on ferrous and nonferrous metals.
- Ready directly from the container.
- Apply by spray, brush or roller.
- Accepted by USDA (US Department of Agriculture).
- Authorized for food contact use under FDA supervised regulations.
- Recognized component of UL (Underwriters' Laboratories, Inc.).
- VOC compliant in all 50 states.

Galvilite is ideal for use in hundreds of applications, including:

- Field applied galvanizing.
- Repairing hot-dip galvanizing
- Regalvanizing of worn hot-dip surfaces.
- Rustproofing welds.
- Repairing inorganic zinc surfaces.



TYPICAL USES OF GALVILITE INCLUDE...

- Metal fabrication
- Construction
- Manufacturing/O.E.M.
- Petrochemical
- Roads & Bridges
- Water Tanks
- Industrial Maintenance
- Water Treatment
- Marine & Offshore
- Cooling Towers
- Hundreds more!

Total rust protection never looked better!

ZRC Worldwide
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ZRC Worldwide

INNOVATIVE ZINC TECHNOLOGIES

GALVILITE

TECHNICAL DATA

ZRC's Galviline® is a metallic zinc coating based on an organic binder. Because of the uniqueness of the formulation, Galviline is recognized under the Component Program of Underwriters' Laboratories, Inc.

TYPE: Single pack, premixed, ready to apply, liquid organic zinc compound.

THEORETICAL COVERAGE: 450 square feet per gallon at 1.5 mil dry film thickness.

METALLIC ZINC CONTENT: 95% by weight in dry film.

FLASH POINT: 111°F (SETA method).

WEIGHT PER GALLON: 24 lbs.

SOLIDS CONTENT: 52% by volume.

VISCOSITY: 2500 cps. Brookfield spindle #6 at 100 RPM, at 25°C.

MAXIMUM SERVICE TEMP.: 750°F (surrounding air temp.).

SPECIFIC GRAVITY: 2.797.

ELECTRICAL CONDUCTIVITY: 73 million ohms per square at 3 mil dry. (Resistivity).

IMPACT RESISTANCE: Great than 30 inch-lbs. (extrusion). (per ASTM-D2794).

ABRASION RESISTANCE: 11.5 liters per dry mil (tested at 3 dry mils) (per ASTM-D98-51).

POT LIFE: At least 24 hours.

SHELF LIFE: (a) Bulk type, 3 years minimum. (b) Aerosol type, 1 year minimum.

PACKAGING: 3.5 gallon pails, gallon, quart, half-pint and aerosol cans.

DRY TIME: (Set to touch). When ambient air dried, 20-30 minutes.

RECOAT TIME: (Second coat of Galviline.) After 12 hours. Under certain conditions, recoat time can be reduced. Please contact manufacturer for specifics.

TOPCOATING: After 24-48 hours, Galviline may be topcoated with acrylic, chlorinated rubber, epoxy, urethane or vinyl type products. DO NOT USE alkyd or lacquer-type products.

SURFACE PREPARATION

Dependent upon surface condition and intended service. Typical examples are as follows:

Grease and Oils - Solvent clean to SSPC-SP1.

Rust Scale - Power tool clean to SSPC-SP11.

Mill Scale - Sandblast to SSPC-SP6 (commercial).

Water Immersion - (100°F maximum) Sandblast to SSPC-SP10 (near-white).

CLEAN UP

XXX Thinner* or Xylol/Xylene.

APPLICATION

SPRAY (low-pressure compressor type)

Atomized air pressure - 50 lbs.

Fluid pressure - 15-20 lbs.

Orifice of tip - 80/100ths (.080).

Viscosity reduction - 4 parts Galviline to 1 part XXX

Thinner* or 16 parts Galviline to 1 part Xylol/Xylene.

SPRAY (airless type)

Pump - 30:1.

Hose - 1/2" (I.D.) Airless type.

Orifice of tip - 60°-26/100ths (.026).

Type of tip - Tungsten carbide, reversing (self-cleaning).

Filter screens - Complete removal is recommended.

However, if screens are employed, use no less than 30 mesh.

Viscosity - No reduction required.

Recommended procedure - Connect hose directly to pump, without filter assembly, ensuring a hose length of 50 ft. maximum. Use least pressure possible. Start at 1500 lbs. and increase as required for good spraying properties.

BRUSH OR ROLLER

Apply as received in container.

TESTING AND SPECIFICATION CONFORMANCE DATA

Galviline meets and exceeds Fed. Spec. DOD-P-21035A, formerly MIL-P-21035 (Galvanizing Repair Spec.).

Galviline meets and exceeds Fed. Spec. MIL-P-26915A (USAF Zinc Dust Primer).

Galviline may be used Fed. Spec. MIL-P-26433 (Towers-Temperate and Arctic).

Galviline passes 3000 hours salt spray testing without failure.** (ASTM Des. B117).

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

Galviline resists intermittent dry-heat temperatures up to 750°F.

Galviline meets and exceeds Canadian Government Spec. I-GP-181A (Zinc Coating).

Galviline meets and exceeds ASTM Des. A-780 (Standard Practice for Repair of Damaged Hot-Dip Galvanized Coatings).

Galviline meets and exceeds SSPC-Paint 20 (Specification for Zinc-Rich Primer).

UNDERWRITERS' LABORATORIES, INC.**

Galviline is recognized under the Component Program of Underwriters' Laboratories.

AUTHORIZED FOR FOOD CONTACT**

Galviline is authorized under Federal Regulation 21 CFR 175.390 as a coating for use as the food contact surface for bulk reusable containers intended for storing, handling and transporting food.

ACCEPTED BY USDA**

Galviline is chemically acceptable. It may be used in processing or storage areas for meat or poultry products prepared under Federal inspection.

OPERATION/MAINTENANCE

Galviline Galvanizing Repair Compound provides long lasting protection and does not require maintenance beyond the usual periodic inspection of surface conditions.

AVAILABILITY/COST

Immediately available off the shelf, Galviline Galvanizing Repair Compound is offered directly from the manufacturer, or through a worldwide distribution network. The initial cost of Galviline 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.

MATERIALS/FINISHES

A unique formulation of 95% pure zinc metal as a liquid coating, ZRC Galvanizing Compound and Galviline are manufactured to exacting standards in our own plant.

Galviline's silvery metallic finish closely approximates the look of new hot-dip galvanizing. Standard ZRC Galvanizing Compound is light matte gray in color.

Galviline is available in a convenient 12 oz. aerosol spray.

- Easy to use
- Convenient for smaller jobs
- Ideal for hard-to-reach spots
- Unique, non-clogging spray tip
- No CFCs
- Eliminates clean up

Also available in 3.5 gallon pails, gallon cans, quart cans, half-pint cans.

*XXX Thinner is our special solvent.

**Copies of reports available upon request.

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