

# Product Data Sheet

No. 1188 - 02/17

## MRO BRITE GALVANIZE COATING

AEROSOL CARB VOC <80% / MIR ≤ 1.25

PRODUCT NUMBERS: 188 - 12 OZ. NET WT. AEROSOL

### I. GENERAL DESCRIPTION

**Description:** Aervoe's MRO Brite Galvanize Coating is a cost effective way to repair hot-dip galvanizing that has been damaged by abrasion, scratching, cutting or welding. Cosmetically repairs both ferrous and nonferrous surfaces. Uses zinc metallic flake that is 97% pure. An exceptionally smooth-flowing product that leaves a bright metal coating with a reflective metallic sheen containing 65% zinc in the dry film. The Zinc fuses to metal substrates to provide protection similar to hot-dip galvanizing.

**Benefits:** Restores galvanized surfaces to the bright look of hot-dip. Stops rust and corrosion on any iron or steel surface. Even if the surface is scratched, the zinc surface will continue to protect against corrosion. Brite Galvanize offers the convenience of on-the-job application when hot-dip repair is necessary. Acceptable as a coating in federally inspected meat and poultry plants for application to structural surfaces where there is a possibility of incidental food contact. Does not contain lead, chromates, methylene chloride or fluorocarbons. Meets performance requirements of ASTM A780.

**Application:** Use on pipes, heavy equipment, highway guard rails, hand rails, welds, metal chain fences, bridges, storage tanks, corrugated metal buildings, transformers, television towers, signs and sign posts, railroad equipment, construction equipment and anywhere the bright look of hot-dipped surfaces is desired.

**Directions:** Whenever possible, repair should be applied within two hours of the damage to the galvanized surface; this prevents oxidation of the exposed areas. Surface should be free of dirt, dust, oil, grease, old paint, heavy mill scale, loose rust particles and any other contaminants that could prevent proper adhesion. Severely rusted areas should be cleaned with a wire brush to remove loose scale prior to application of MRO Brite Galvanize. For best results, repair material should extend at least three inches beyond edges of the damaged area to ensure continuity of galvanic action and used at temperatures between 60° and 80°F (16° to 27°C). Drying may be accelerated by applying heat. Align spray head with black mark on valve rim to insure complete evacuation of contents. Vigorously shake can for 2 minutes after hearing rattle of agitator ball (ball should release in 10 to 30 seconds), and intermittently (1 to 2 seconds) during use. Apply from a distance of 8 to 12 inches. Spray in light, sweeping strokes to avoid run and sags. Two light coats are better than one heavy coat. Whenever you must set the aerosol can aside for more than 2 minutes or are ready to store the can, then invert the can and spray for two seconds to clear dip tube, valve and tip to prevent zinc from drying in those areas.

**Limitations:** Please refer to the Safety Data Sheet for specific information on material hazards, etc. Do not apply at temperatures below 40°F (4°C), or if rain is imminent within 6 hours of application. Galvanizing products have a limited shelf life; use them within 12 months from the date of manufacture (guarantee is for 6 months from date of purchase and 12 months from date of manufacture).

#### Packaging:

Aerosol:	Cans (211x604)	12 net wt. (340 g)	13.6 fl. oz. (402 ml)
	Case (12/case):	13 lbs. (5.9 kg)	0.47 CF (0.013 CM)

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## II. CHARACTERISTICS & PROPERTIES

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**Specifications: Aerosol complies with CARB MIR regulations**

**Appearance:**

Class .....Metallic

**Coverage:**

Theoretical (at 1 mil dry) ..... 13 sq. ft./can

Practical (at 1/2 mil dry) ..... 26sq. ft./can

**Dry Schedule: (at 77° F [25° C], 50% Humidity at 1 mil, dry)**

To touch..... 10 min

To handle..... 30 min

To recoat .....After 24 hrs.

Full cure ..... 24 hrs.

**Performance and Chemical Properties:**

Weight per gallon ..... 7.2 lbs/gal

Specific gravity ..... 0.9

Flammability: Label marking .....Extremely flammable

Flash point.....<0°F (-18°C)

Operating temperature range..... 50° to 90°F (10° to 32°C)

Percent solids by weight ..... 25%

Percent solids by volume ..... 7%

Percent pigment by volume..... 2%

CARB VOC limit (metallic coatings) .....<80%

CARB MIR limit (metallic coatings) .....≤1.25

Interior durability..... Excellent

Exterior durability ..... Excellent

Temperature resistance..... 150°F (65°C)

Color fastness ..... Excellent

Adhesion (ASTM D3359) ..... Excellent

Salt spray corrosion (ASTM B117)..... 350 hrs.

Paint thinner resistance..... Excellent

Gasoline resistance..... Poor

Motor oil resistance ..... Very Good

Pencil hardness (ASTM D3363).....<2B

Food contact rating ..... USDA accepted Category 21

**Base Materials**

Resin system..... Acrylic

Solvents (top two) ..... Acetone, n-Butyl Acetate

Propellant system..... Hydrocarbon

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## III. SHIPPING, STORAGE AND HEALTH

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UN number..... UN1950

Proper Shipping Description ..... Aerosols

Hazard Class..... 2.1

Packing Group ..... N/A

Limited Quantity ..... Yes

Warehouse storage level number ..... NFPA 30B Level 2

Storage temperature ..... 32° to 120°F (0° to 49°C)

Shelf life ..... 1 year

**HMIS ratings**

Health ..... 2

Fire..... 4

Reactivity ..... 1

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## IV. MISCELLANEOUS

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Contains no Ozone Depleting Substances (O.D.S.)

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## V. WARRANTY

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1-year warranty to the original registered owner on all products from date of purchase. User returns, exchanges and defective refunds must be made with the original place of purchase. Because Aervoe cannot control Buyer's handling or use of product, Aervoe makes no warranty expressed or implied when not used or stored in accordance with directions. Aervoe shall not be liable for cost of labor, incidental or consequential damages, and this warranty is limited to replacement or repair of product or credit of purchase.