Product Data Sheet

No. 1148 - 03/12

MRO BRITE GALVANIZE COATING

AEROSOL CARB VOC <80% / MIR ≤ 1.9

PRODUCT NUMBERS: 148 - 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 Material 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)	12.0 fl. oz. (341 ml)
	Case (12/case):	13 lbs. (5.9 kg)	0.47 CF (0.013 CM)

Aervoe Industries, Inc.
P.O. Box 485, Gardnerville, NV 89410
(775) 783-3100 Phone • (775) 782-5687 Fax • (800) 227-0196 Customer Service
www.aervoe.com • mailbox@aervoe.com

II. CHARACTERISTICS & PROPERTIES

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 ..... 7.09 lbs.
Specific gravity 0.85
Flammability: Label marking ..... Extremely flammable
Flash point ..... <0° F (-18° C)
Operating temperature range ..... 60° to 80° F (16° to 27° C)
Percent solids by weight 21%
Percent solids by volume 7%
Percent pigment by volume 2%
CARB VOC limit (metallic coatings) ..... < 80%
CARB MIR limit (metallic coatings) ..... ≤ 1.90
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

III. SHIPPING, STORAGE AND HEALTH

IMDG number ..... UN 1950
D.O.T. container spec 2P
D.O.T. shipping description ..... Consumer Commodity
Warehouse storage level number ..... NFPA 30B Level 2
Hazardous class (CFR-49) ..... ORM-D
Storage temperature ..... 32° to 120°F (0° to 49°C)
Shelf life ..... 1 year
HMIS ratings
Health 2
Fire 4
Reactivity 1

IV. MISCELLANEOUS

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

V. WARRANTY

The statements made herein, on labels, product bulletins or by any of our employees or agents concerning this material are given for information only. Any liability whatsoever of Aervoe Industries, Inc. to the user of the product, is limited to replacement of the product or purchase price refunded.