

Product Data Sheet

No. 1143 - 07/10

MRO CHROME GALVANIZE COATING

CARB VOC <80% / MIR ≤ 1.90

PRODUCT NUMBERS: 143 - 12 OZ. NET WT. AEROSOL

I. GENERAL DESCRIPTION

Description: Aervoe MRO Chrome Galvanize Coating repairs hot-dip galvanizing that has been damaged by abrasion, scratching, cutting or welding. Cosmetically repairs both ferrous and nonferrous surfaces. An exceptionally smooth-flowing product that leaves a bright metal coating with a reflective metallic sheen. The Zinc fuses to metal substrates.

Benefits: MRO Chrome Galvanize, with 10% Zinc, will restore galvanized surfaces to the bright look of hot-dip. Stops rust and corrosion on any iron or steel surface. Chrome Galvanize offers the convenience of on-the-job application when hot-dip repair is necessary. Does not contain lead, chromates, methylene chloride or fluorocarbon propellants.

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 Chrome Galvanize. For best results, use 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 ensure complete evacuation of contents. Vigorously shake can for 1 minute after hearing rattle of agitator ball 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). Containers should be stored in a cool dry place.

Packaging:

Aerosol:	Cans (211x604)	12 oz. net wt. (340 grams)	15.7 fl. oz. (463 ml)
	2 cans/case	14 lbs. (5.9 kg)	0.47 CF (0.013 CM)

II. CHARACTERISTICS & PROPERTIES

Specifications: Complies with CARB VOC / MIR rules.

Appearance:
Class **Aerosol**
Metallic

Coverage:
Theoretical (at 1 mil dry) 19 sq. ft./can
Practical (at 1/2 mil dry) 38 sq. ft./can

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

To touch 10 min.
To handle 30 min.
To recoat Before 1 hr. or after 24 hrs.
Full cure 24 hrs.

Performance and Chemical Properties:

Weight per gallon 6.13 lbs
Specific gravity 0.73
Flammability: Label marking Extremely flammable
Flash point < 0° F (-18° C)
Operating temperature range 60° to 90° F (16° to 27° C)
Percent solids by weight 16%
Percent solids by volume 10%
Percent pigment by volume 1%
CARB VOC (metallic coating) < 80%
CARB MIR (metallic coating) ≤ 1.90
Interior durability Good
Exterior durability Fair
Temperature resistance 150° F (65° C)
Color fastness Good
Adhesion (ASTM D3359) Good
Mineral Spirits resistance Fair
Gasoline resistance Poor
Motor Oil resistance Good
Pencil hardness (ASTM D3363) < 2B
Rub resistance Poor

Base Materials:

Resin system Hydrocarbon
Solvents (top two) Parachlorobenzotrifluoride, Hexane
Propellant Hydrocarbon

III. SHIPPING, STORAGE AND HEALTH

IMDG number **Aerosol** 1950
D.O.T. container spec 2P
D.O.T. shipping description Consumer Commodity
Warehouse storage level number NFPA 30B Level 3
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.

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