

Product Data Sheet

No. 1142 - 6/06

BRITE GALVANIZE - Aerosol and Bulk Liquid

AEROSOL VOC < 80%; CARB MIR < 1.90; Bulk < 500g/l

PRODUCT NUMBER: 142 - 13-oz. net wt. aerosol

Product number plus letter designations as follows:
Q = 6 one-quart cans; G = 1 one-gallon can

I. GENERAL DESCRIPTION

Description: Aervoe Brite Galvanize 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 dry film coating with a reflective metallic sheen. The Zinc fuses to metal substrates to provide protection similar to hot-dip galvanizing.

Benefits: Brite Galvanize will restore galvanized surfaces to the bright look of hot-dip. Stops rust and corrosion on any iron or steel surface. Even if surface is scratched, zinc surface will continue to protect against corrosion. Brite Galvanize offers the convenience of on-the-job application when hot-dip repair is necessary. Dries to the touch in just 10 minutes. Aerosol is 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 A780-01.

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. There is 65% zinc in dry film.

Directions: Whenever possible, first coat 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 Brite Galvanize. For best results, use at temperatures between 60° and 80°F (16° to 27°C). Repair material should extend at least three inches beyond edges of the damaged area to ensure continuity of galvanic action. For **aerosol** application, align sprayhead with black mark on valve rim to insure complete evacuation of contents. Shake can for 2 minutes after rattle of agitator ball is heard, and intermittently during use. Apply from a distance of 8 to 12 inches from surface to be coated. Spray in light, sweeping strokes to avoid runs and sags. Two thin coats are better than one heavy coat. Prepare for storage by turning can upside down and spraying for two seconds to clear material from inside dip tube and nozzle. For **bulk** application, stir contents thoroughly. Product may be applied full-strength without thinning by brush or roller. If using in conventional spray equipment, use a minimum pressure of 80 psi. If thinning, do not add thinner directly to contents; pour contents in separate container and thin as desired. Drying may be accelerated by applying heat or baking oven.

Limitations: Please refer to the Material Safety Data Sheets 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. Both the aerosol and the bulk products must be used within 12 months of date of purchase. Containers should be stored in a cool, dry place. **Please check local air quality standards before using or thinning any bulk products.**

Packaging:

Aerosol:	Cans (211 x 604)	13 oz. net wt.	(369 grams)	15.5 fl. oz.	(458 ml)
	Case - 12 cans/case	14 lbs.	(6.4 kg)	.47 CF	(.013 CM)
Liquid Bulk:	1 case of 6 quarts (mt. rd.)	18 lbs.	(8.2 kg)	.88 CF	(.024 CM)
	1 gallon (mt. rd.)	12 lbs.	(5.5 kg)	.31 CF	(.009 CM)



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II. CHARACTERISTICS AND PROPERTIES

Specifications: Meets performance requirements of ASTM A780-01. Bulk product meets VOC requirement of 500g/l set forth in the National Volatile Organic Compound Emissions Standards for Architectural Coatings. Aerosol meets requirements of California Air Resources Board.

Appearance:

Gloss at 60°	Not applicable
Class	Metallic

Coverage:

	Aerosol	Bulk
Theoretical—at 1 mil dry	13 sq. ft./can	334 sq. ft./gallon
Practical—at 1/2 mil dry	26 sq. ft./can	668 sq. ft./gallon

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

To touch	10 min.	10 min.
To handle	30 min.	30 min.
Full cure	72 hrs.	72 hrs.
To recoat	After 72 hrs.	After 72 hrs.

Performance and Chemical Properties:

	Aerosol	Bulk
Weight per gallon	7.09	10.09
Specific gravity	0.85	1.21
Viscosity	Not applicable	50-60 KU
Flammability: Label marking	Extremely flammable	Flammable
Flash point	< 0°F (- 18° C)	< 81° F (27° C)
Operating temperature range	60° to 80° F (16° to 27° C)	60° to 80° F (16° to 27° C)
Percent solids by weight	21%	46%
Percent solids by volume	7%	18%
Percent pigment by volume	2%	9%
Volatile Organic Compound level	41%	499 g/l
MIR	1.42	NA
Interior durability	Excellent	Excellent
Exterior durability	Excellent	Excellent
Temperature resistance	400° F (204° C)	150° F (65° C)
Color fastness	Excellent	Excellent
Adhesion	Very good	Excellent
Salt spray corrosion	500 hrs.	500 hrs.
Mineral spirits resistance	Good	Good
Gasoline resistance	Poor	Poor
Motor oil resistance	Very Good	Very Good
Pencil hardness	2B	2B
Food contact rating	USDA accepted, see "Benefits"	USDA accepted, see "Benefits"

Base Materials:

Resin system	Acrylic	Epoxy ester
Solvents (top two)	Xylene, Acetone	VM&P Naptha, Acetone
Propellant system	Hydrocarbon	Not applicable

III. SHIPPING, STORAGE AND HEALTH

	Aerosol	Bulk
IMDG number	1950	1263
D.O.T. container spec	2P	1A2, 4G, 3A1, 3A2,
D.O.T. shipping description	Consumer commodity	Paint related material
Warehouse storage level number	NFPA 30B Level 2	Flammable liquid I-C
Hazardous class (CFR-49)	ORM-D	Flammable liquid
Storage temperature	32° to 120°F (0° to 49°C)	32° to 120°F (0° to 49°C)
Shelf life	1 year	1 year
HMIS ratings		
Health	2	2
Fire	4	3
Reactivity	1	1

IV. MISCELLANEOUS

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

No. 1142-6/06

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 to the user of the product, is limited to replacement of the product or purchase price.