

# Product Data Sheet

No. 17008 - 06/10

## BRITE GALVANIZE COATING 65% ZINC RICH

AEROSOL CARB VOC <80% / MIR ≤ 1.90; BULK VOC < 500 G/L

### PRODUCT NUMBERS:

7008 - 13 OZ. NET WT. AEROSOL (Formerly Aervoe #142)

Product number plus letter designation is as follows:

Q - 4 one-quart cans; G = 1 one-gallon can; F = 1 five-gallon pail (not sold in drums due to weight)

### I. GENERAL DESCRIPTION

**Description:** Crown's premium Brite Galvanize Coating 65% Zinc Rich is a restorative coating fortified with zinc for preventing rust and corrosion on ferrous metal surfaces. Both aerosol and bulk use metallic zinc flake that is 97% pure. The bright zinc coating will restore galvanized steel to the bright look of hot dip with 65% zinc in the dry film which meets ASTM A780 standards.

**Benefits:** Product provides good durability and salt spray resistance without containing lead chromates, methylene chloride or fluorocarbons. Galvanic protection is consistent with zinc content. Excellent hide and blending abilities.

**Application:** Use on damaged galvanized surfaces, structural steel, automobiles, chain link fences, guard rails, hand rails, bridges, TV and radio towers, heat ducts, welded joints, storage tanks, signs and sign posts, equipment (farming, mining and construction, power plant, railroad, offshore, etc.), gutters, pipelines, transformers, corrugated metal buildings and anywhere the bright look of hot-dipped surfaces is desired. Ideal for industrial type application, (e.g., aviation, marine, manufacturing, petroleum).

**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 product. 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. Notice: Zinc is a dense material which will settle on the bottom of the container. This product is formulated to resist hard settling (where zinc is dry, clumped together and will not remix). However, soft settling (the zinc sinks to the bottom but remains wet, no clumping, and will remix) is natural for this

product and can occur from road vibration during transportation or while sitting on the shelf. Aerosol application: 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 10 to 12 inches. Spray in light, sweeping strokes to avoid run and sags. The preferred application method is to apply a coating of 3-4 mils, wet thickness in one application. One coat will be satisfactory. A second coat may be applied to maximize the protection (refer to the recoat schedule). 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 and clogging the can. Bulk application: Mix contents thoroughly (paint shaker or electric drill with metal paint stirrer) and scrape bottom and sides. Contents may be applied full-strength without thinning. If using in conventional spray equipment, use a minimum pressure of 80 psi. If thinning, do not add thinner directly to the contents; pour contents into separate container and thin as necessary with acetone or VM&P Naphtha (or a mixture of both). Check local VOC regulations / air quality standards prior to thinning as the use of VM&P Naphtha will increase the VOC content. Invert stored bulk containers occasionally to keep solids in suspension.

**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). The bulk product has special conditions related to storage. In bulk form, the user must be aware of possible gas formation which could distort the container and affect storage stability. Containers should be stored in a cool dry place.

#### Packaging:

Aerosol:	Cans (211x604)	13 net wt. (369 g)	13.6 fl. oz. (386 ml)
	Case (6/case):	14 lbs. (6.35 kg)	0.47 CF (0.013 CM)
Bulk:	1 case of 4 quarts (mt. rd.)	13 lbs. (5.9 kg)	0.29 CF (0.008 CM)
	1 case of 1 gallon (mt. rd.)	13 lbs. (5.9 kg)	0.31 CF (0.009 CM)
	5-gallon pail (mt. rd.)	52 lbs. (23.6 kg)	1.2 CF (0.0034 CM)

## II. CHARACTERISTICS & PROPERTIES

**Specifications: Meets performance requirements of ASTM A 780-01. USDA accepted Category 21. Bulk product meets National Architectural Coatings VOC emission standards of 500 g/l and Aerosol meets CARB requirements.**

Appearance:

Class .....	Metallic	
Coverage:	<b>Aerosol</b>	<b>Bulk</b>
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.....	15 min.....	15 min.
To handle.....	45 min.....	45 min.
To recoat .....	After 24 hrs.....	After 72 hrs.
Full cure .....	24 hrs. ....	72 hrs.

**Performance and Chemical Properties:**

Weight per gallon .....	7.09 lbs.....	10.30 lbs.
Specific gravity .....	0.85 .....	1.23
Viscosity .....	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%
CARB VOC limit (zinc rich primers) .....	< 80% .....	< 500 g/L
CARB MIR limit (metallic coatings) .....	< 1.90	
Interior durability.....	Excellent.....	Excellent
Exterior durability .....	Excellent.....	Excellent
Temperature resistance.....	150° F (65° C) .....	150° F (65° C)
Color fastness .....	Excellent.....	Excellent
Adhesion (ASTM D3359).....	Excellent.....	Excellent
Salt spray corrosion (ASTM B117).....	500 hrs. ....	500 hrs.
Mineral Spirits resistance.....	Excellent.....	Excellent
Gasoline resistance.....	Poor.....	Poor
Motor Oil resistance .....	Very Good .....	Very Good
Pencil hardness (ASTM D3363).....	HB .....	HB
Food contact rating .....	USDA accepted Category 21 .....	USDA accepted Category 21

**Base Materials:**

Resin system.....	Acrylic.....	Epoxy Ester
Solvents (top two) .....	Acetone, n-Butyl Acetate .....	Acetone, VM&P Naphtha
Propellant.....	Hydrocarbon	

## III. SHIPPING, STORAGE AND HEALTH

	<b>Aerosol</b>	<b>Bulk</b>
IMDG number.....	UN 1950.....	1263
D.O.T. container spec.....	2P .....	1A1, 1A2, 3A1, 3A2, 4G
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).....	<b>ORM-D</b> .....	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.)

## 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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