

# Product Data Sheet

No. 16084 - 08/21

## RED INSULATING VARNISH

CARB MIR <2.0 (Electrical Coating)

PRODUCT NUMBERS: 6084 13-OZ. NET WT. AEROSOL

### I. GENERAL DESCRIPTION

**Description:** Aervoe's Crown Red Insulating Varnish provides a tough industrial strength oil and waterproof coating to insulate electrical equipment and components. Provides outstanding adhesion to a variety of surfaces and contains an epoxy ester resin that is thermal rated class F.

**Benefits:** The flexible nature of this product, in a cured film, provides insulating protection while allowing for heat expansion and contraction. Red Insulating Varnish is highly resistant to oils, moisture, and temperature fluctuations. The cured coating is rated at 4,000 v/mil. Dries to the touch in 10 minutes. Dries to handle in 45 minutes.

**Application:** Use to protect electrical leads, coat frayed insulation and to restore dielectric properties lost from frictional wear. Additional uses are to insulate and seal out moisture from armature windings, high voltage circuits, for coating electrical windings that are exposed to moisture repeatedly.

**Directions:** Remove all loose dirt, dust, grease, wax, and rust particles from surface to be coated. For best results, apply at temperatures between 60° and 80°F (16° and 27°C). Two light coats are better than one heavy coat. Shake can vigorously for one minute. Hold can 12 to 14 inches from surface to be sprayed. The darkness of the color indicates the thickness of the coating. To prevent clogging, turn can upside down and spray for approximately three seconds to clear varnish in valve.

**Limitations:** Please refer to the Safety Data Sheet for specific information on material hazards, etc.

**Packaging:**

Aerosol:

Cans (16 oz.)  
12 cans/case

13 oz. net wt. (340 grams)  
15 lbs. (5.6 kg)

15.1 fl. oz. (447 ml)  
0.47 CF (0.013 CM)

---

## II. CHARACTERISTICS & PROPERTIES

---

### Specifications:

None

### Appearance:

Gloss at 60° .....>90

Class .....Gloss

### Coverage:

Theoretical (at 1 mil dry) .....20 sq.ft./can

Practical (at 1/2 mil dry) .....40 sq. ft./can

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

To touch.....10 min

To handle.....45 min

To recoat .....Anytime

### Performance and Chemical Properties:

Weight per gallon .....6.8 lbs.

Specific gravity .....0.81

Viscosity .....Not applicable

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 .....12%

Percent solids by volume .....10%

Percent pigment by volume.....0.3%

CARB MIR (electrical coating) .....<2.0

Interior durability.....Excellent

Exterior durability .....Not applicable

Temperature resistance.....Up to 500°F (260°C)

Color fastness .....Excellent

Adhesion .....Excellent

Salt spray corrosion .....Not applicable

Mineral spirits resistance.....Very good

Gasoline resistance.....Poor

Motor oil resistance.....Excellent

Pencil hardness.....B

Food contact rating .....Not applicable

Dielectric strength .....4,000 v/mil

---

## III. SHIPPING, STORAGE AND HEALTH

---

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 to 2 years

### HMIS ratings

Health.....2

Fire .....4

Reactivity.....0

---

## IV. MISCELLANEOUS

---

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

---

## V. WARRANTY

---

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.