

Product Data Sheet

No. **16084** - 11/03

RED INSULATING VARNISH- AEROSOL CARB VOC & MIR Exempt Aerosol 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. Aervoe's Crown Red Insulating Varnish is highly resistant to oils, moisture and temperature fluctuations. The cured coating is rated at 2100 volts/mil. Dries to touch in 10 minutes. Dries to handle in 45 minutes.

Uses: Use Aervoe's Crown Insulating Varnish 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, commutator ends and coils. Highly recommended for coating electrical windings that are exposed to moisture repeatedly.

Application: 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. 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 Material Safety Data Sheets for specific information on material hazards, etc.

Packaging:

Aerosol:	Cans (211 x 604)	13 oz. net wt.	(369 grams)	15.1 fl. oz.	(447 ml)
	Case - 12 cans/case	14 lbs.	(5.9 kg)	.47 CF	(.013 CM)



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II. CHARACTERISTICS AND PROPERTIES

Specifications:

None

Appearance:

Gloss at 60° >90

Class Gloss

Coverage:

Aerosol

Theoretical—at 1 mil dry 20 sq. ft./can

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

Drying 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 7.56 lbs.

Specific gravity 0.91

Viscosity Not applicable

Flammability: Label marking Extremely flammable

Flash point <0°F (18°C)

Operating temperature range 50° to 90°F (10° to 32°C)

Percent solids by weight 13%

Percent solids by volume 11%

Percent pigment by volume 0.3%

Volatile Organic Compound level CARB VOC & MIR Exempt

Interior durability Excellent

Exterior durability Not applicable

Temperature resistance Up to 300° F (149° C)

Color fastness Excellent

Adhesion Excellent

Salt spray corrosion NA

Mineral spirits resistance Very good

Gasoline resistance Poor

Motor oil resistance Excellent

Pencil hardness B

Food contact rating Not applicable

Dielectric strength 2,100 Volts/Mil

Base Materials:

Resin system Epoxy ester

Solvents (top two) Trichlorethylene/xylene

Propellant system Di-methyl ether

III. SHIPPING, STORAGE AND HEALTH

IMDG number 1950

D.O.T. container spec 2P

D.O.T. shipping description Consumer commodity

Warehouse storage level number NFPA 30B Level 1

Hazardous class (CFR-49) **ORM-D**

Storage temperature 32° to 120°F (0° to 49°C)

Shelf life 12 to 24 months

HMIS ratings

Health 2

Fire 4

Reactivity 0

IV. MISCELLANEOUS

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

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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 refunded.