Product Data Sheet

No. 1401 - 08/15

INSULATING EPOXY COATING

AEROSOL

PRODUCT NUMBERS: **401 - RED**
402 - BLACK
403 - CLEAR

I. GENERAL DESCRIPTION

Description: Aervoe's Insulating Epoxy Coating is a tough, yet flexible coating for insulating coils, transformers, and other electrical components. Good adhesion, and high dielectric strength makes this product especially useful for coating turns on electrical windings that will be exposed to extreme moisture and oils. It penetrates thoroughly and air-dries tack free in 15 minutes, hardens in 1 hour. Superior to lacquers and acrylics. Epoxy Ester resin is rated Thermal Class F.

Benefits: Insulating Epoxy Coating allows for motor heat expansion and contraction. The flexible finish is resilient over time, and doesn't become brittle. Penetrates, coats and seals in one step. Protects equipment for long periods. This product has excellent moisture, oil, alkali, and chemical resistance.

Application: Use on field coils, exposed metal, windings, taped coils, frayed insulation, pitted motor windings, bus bars, collector rings, transformers, armatures, and commutator ends. Highly recommended for coating turns on electrical windings that are exposed to extreme moisture and oils.

Directions: Remove all loose dirt, dust, grease, wax, and rust particles from surface to be coated. For best results, apply at temperatures between 60°F and 80°F (16°C and 27°C). Second and subsequent finish coats may be applied at any time after previous coat has dried. Two light coats are better than one heavy coat. Dries to touch in 15 minutes, full cure in 48 hours. Shake can vigorously for one minute. Hold can approximately 10 inches from surface, press down on tip and keep can in motion. To prevent clogging, turn can upside down and spray for approximately three seconds to clear paint in valve. Do not use on electrical equipment or machinery while in operation.

Limitations: Please refer to the Safety Data Sheet for specific information on material hazards, etc. For industrial use in manufacturing facilities.

Packaging:

Cans - (211 x 604)	12.5 oz. net wt. (355 grams)	15.61 fl. oz. (461 ml)
Case - 12/cans/case	14 lbs. (5.9 kg)	0.47 CF (0.013 CM)

AERVOE®
Aervoe Industries, Inc.
P.O. Box 485, Gardnerville, NV 89410
(775) 783-3100 Phone • (775) 782-5687 Fax • (800) 227-0196 Customer Service
www.aervoe.com • mailbox@aervoe.com

CROWN® ZYNOLYTE Max Burton
Wind 'N Go SOLADYNE SIERRA WAVE

II. CHARACTERISTICS & PROPERTIES (Average for all color)

Specifications:
None

Appearance:

Gloss at <60° F	85
Class	Non-flat

Coverage:

Theoretical at- 1 mil dry	17 sq. ft./can
Practical - at 1/2 mil dry	34 sq. ft./can

Dry Schedule:

To touch	15 min.
To handle	1 hr.
Full cure	48 hrs.
To recoat	Anytime

Performance and Chemical Properties:

Weight per gallon	6.6 lbs.
Specific gravity	0.79
Viscosity	Not applicable
Flammability: Label marking	Extremely Flammable
Flash point	<0° F (-18° C)
Operating temperature range	50° F to 90° F (10° to 32° C)
Percent solids by weight	15%
Percent solids by volume	10%
Percent pigment by volume	2%
Volatile Organic Compound Level	Exempt
CARB MIR	Exempt
Dielectric strength	3,900 volts/mil
Interior durability	Excellent
Exterior durability	Not applicable
Temperature resistance	Class F
Color fastness	Excellent
Adhesion	Excellent
Mineral Spirits resistance	Very good
Gasoline resistance	Very good
Motor oil resistance	Excellent
Pencil hardness	HB
Food contact rating	Not applicable

Base Materials

Resin system	Epoxy Ester
Solvents (top two)	Acetone, N-Butyl Acetate
Propellant	Dimethyl Ether

III. SHIPPING, STORAGE AND HEALTH

UN number	1950
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	1
Fire	3
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.