

Product Data Sheet

No. 1401 - 08/21

INSULATING EPOXY COATING

CARB MIR <2.0 (ELECTRICAL COATING)

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 - (16 oz.)	12.5 oz. net wt. (355 g)	15.61 fl. oz. (461 mL)
Case - 12 cans/case	14 lbs. (5.9 kg)	0.47 CF (0.013 CM)



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

II. CHARACTERISTICS & PROPERTIES (Average for all color)

Specifications:

None

Appearance:

Gloss at <60° F85
ClassNon-flat

Coverage:

Theoretical at- 1 mil dry17 sq. ft./can
Practical - at 1/2 mil dry34 sq. ft./can

Dry Schedule:

To touch15 min.
To handle1 hr.
Full cure48 hrs.
To recoatAnytime

Performance and Chemical Properties:

Weight per gallon7.29 lbs.
Specific gravity0.84
ViscosityNot applicable
Flammability: Label markingExtremely Flammable
Flash point<0°F (-18°C)
Operating temperature range60° to 80°F (16° to 27°C)
Percent solids by weight15%
Percent solids by volume10%
Percent pigment by volume2%
CARB MIR (electrical coating)<2.0
Dielectric strength3,900 volts/mil
Interior durabilityExcellent
Exterior durabilityNot applicable
Temperature resistanceClass F
Color fastnessExcellent
AdhesionExcellent
Mineral Spirits resistanceVery good
Gasoline resistanceVery good
Motor oil resistanceExcellent
Pencil hardnessHB
Food contact ratingNot 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 DescriptionAerosols
Hazard Class.....2.1
Packing GroupN/A
Limited QuantityYes
Warehouse storage level numberNFPA 30B Level 2
Storage temperature32° to 120°F (0° to 49°C)
Shelf life1 to 2 years

HMIS ratings

Health1
Fire3
Reactivity.....1

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.