RED INSULATING VARNISH



EL™601

- 2600 VPM DS™ — Dielectric strength value: 2,600 VPM
- TEMP CLASS F 310°F/ 155°C — Insulating temperature class rating Class F: 310 °F (155 °C)
- RED — Coating Color: Red
- EZ TOUCH® — Features EZ-TOUCH® Comfort Nozzle
- H 2 F 4 R 0 — HMIS Hazard Rating: Health (2) • Flammability (4) • Reactivity (0)

- Meets performance requirements of ASTM D 115-07 4.2
- Improved dielectric strength: 2,600 VPM
- Air Dries in 10 minutes
- Meets Class F Requirements (Up to 310ºF)
- Resists Oils, Moisture, Acids and Alkalis

Sprayon™

PRESERVE. PROTECT. PREVENT.™

Sprayon® EL™601 Red Insulating Varnish is a coating with excellent insulating properties for impregnating and insulating electrical and electronic work. Excellent adhesion to metals, windings, coils. Air dries faster than most insulating materials. Protects surface against oils, moisture, acid and alkalis. Perfect for small field and magnet coils; penetrates oil and new windings; has excellent flexibility and water resistance. Can be baked for faster cure rate and maximum hardness.

USES

- Motor Windings
- Field Coils
- Transformers
- Armatures
- Commutator Ends
- Stater Windings
- Rings & Frames
- Bus Bars
- Sealing electrical switch board parts and electronic components





EL601

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APPLICATION

SURFACE PREPARATION: Must be applied directly to dry, clean surfaces and not over any other paint or coating. Proper surface preparation contributes to maximum service life of coatings. All contaminates (mill scale, rust, rust scale, chemicals, grease, oil, wax, weld spatter, old paint or other foreign matter) must be removed down to bare metal. APPLICATION: Remove all rust, scale, paint, grease or foreign matter. A good clean surface is necessary. Apply directly to DRY surface and not over any other paint or coating. Product should be sprayed in a well-ventilated area. Use at room temperature (70°F.) for best operation. Turn can upside down. Hit sides lightly while rotating can in 1/4 turns until agitator ball breaks loose. While holding can upright, alternately shake the can up and down and in a circle for 30-60 seconds until the agitator travels freely in the bottom. NOTE: INSUFFICIENT MIXING MAY CAUSE PLUGGING TO OCCUR. Press spray button firmly with the can 8" to 12" away from surface being coated. Move can with short dusting strokes, releasing button at the end of each stroke. Apply several thin coats. To prevent clogging, hold can upside down and spray until only clear gas comes out. CLEAN UP: Acetone.

PERFORMANCE

- **SPECIFICATION: MEETS PERFORMANCE REQUIREMENTS OF ASTM D 115-07 4.2 PERFORMANCE FOR:**
  - 4.2.1 Drainage: 22%
  - 4.2.2 Time of Drying: See drying schedule
  - 4.2.3 Build: 2.9 mm
  - 4.2.8 Oil Resistance: See chemical resitance
- **TEMPERATURE CLASS:** Class F (155°C / 310°F)
- **DRY HEAT RESISTANCE:**
  - Constant: 310°F
  - Intermittently: 400°F
- **DIELECTRIC STRENGTH:**
  - (ASTM D 115-07) Clear: 2,300 VPM
- **ONE WEEK HARDNESS:**
  - (ASTM D 3363 SHORE A 24hr / 1 Week): 6B
- **FLEXIBILITY:** (ASTM D 522) Pass
- **CHEMICAL RESISTANCE:**
  - Aliphatic hydrocarbon solvents: Moderate
  - Alkalis: Modarate
  - Aromatic hydrocarbon solvents: Severe
  - Chlorinated solvents: Severe
  - Salt water: Severe
  - Glycol ethers, alcohols: Severe
  - Inorganic acids: Severe
  - Organic acids: Severe
  - Oils: Severe
- **DRYING TIME @ 70°F @ 50% R.H.:**
  - To Touch: 10 Minuntes
  - To handle: 15-30 Minutes (Tack Free)
  - Full cure: 7 Days

SHIPPING

Refer to section 14 of the material safety data sheet for proper transport information and labeling.

PROPERTIES

APPEARANCE: Red
SHEEN: Semi-Gloss
RESIN TYPE: Epoxy / Phenolic
PROPELLANT: Hydrocarbon Blend
% SOLIDS: 22.83
WT./GAL.: 6.62
SPECIFIC GRAVITY: 0.79
% VOC AEROSOL: 55.17%
MIR: .806
V.O.C. COMPLIANT CALIFORNIA: Yes*
V.O.C. COMPLIANT OTC STATES: Yes*
FLAMMABLE: Yes
FLASH POINT: >0°F
RECOMMENDED FILM THICKNESS: 1 Mil dft
COVERAGE PER AEROSOL (THEORETICAL):
10 sq. ft. @ 1 Mil dft
HAZARD RATING: 2,4,0
SHELF LIFE: 3 years from date of manufacture

*ELECTRICAL AEROSOL COATINGS ARE EXEMPT

PACKAGING

STOCK #: S00601000
UPC CODE: 0-75577-84213-1
FILL WT: 15.25 oz.
PER CASE: 12
CARTON DIMENSIONS:
L 12.75" x W 10.37" x H 14.25"

RESOURCES

MSDS/EDS/PRODUCT DATA SHEETS: sprayon.com
CUSTOMER SERVICE: 1-800-777-2966
TECHNICAL INFORMATION: 1-800-251-2486

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