WHY CHOOSE SPRAYON® INDUSTRIAL INSULATING VARNISH?

Leading the Charge in Insulating Varnish

**EL 600 CLEAR INSULATING VARNISH**

**USES**
- Motor Windings
- Field Coils
- Transformers
- Armatures
- Commutator Ends
- Stator Windings
- Ring and Frames
- Bus Bars
- Sealing Electrical Switchboard Parts and Electronic Components

**APPLICATION DIRECTIONS FOR AEROSOL**
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.

**DIRECTIONS FOR BULK**
Brush, Dip or Spray. 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. NOTE: Bulk Separation is normal. Mix thoroughly before and stir throughout project to maintain uniform resin to pigment suspension. Apply at full strength for most applications. Clean all equipment with acetone after use.

**CLEAN UP**: Acetone

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

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

**USES**
- Motor Windings
- Field Coils
- Transformers
- Armatures
- Commutator Ends
- Stater Windings
- Ring and Frames
- Bus Bars
- Sealing Electrical Switchboard Parts and Electronic Components

**Sprayon Sku** | **UPC** | **Description** | **Quantity** | **Length** | **Width** | **Height**
--- | --- | --- | --- | --- | --- | ---
S00601000 | 0-75577-84213-1 | Red | 12 | 12.75 | 10.37 | 14.25
S00609000 | 0-75577-84215-5 | Green | 12 | 12.00 | 10.00 | 13.75
S00600000 | 0-75577-84214-8 | Clear | 12 | 12.00 | 10.00 | 13.75
A60110000 | 0-75577-84842-3 | Red, 1 Gal. | 4 | 12.25 | 12.37 | 12.50

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Distributed by:

Sprayon® Products
101 Prospect Ave. NW
Cleveland, OH 44115
www.Sprayon.com
1-800-777-2966
WHY CHOOSE SPRAYON® INDUSTRIAL INSULATING VARNISH?

Sprayon® 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 alkalies. Perfect for small field and magnet coils; penetrates oil and new windings; has excellent flexibility and water resistance. Can be used in a dip application and baked for faster cure rate and maximum hardness.

### PROPERTIES

**AEROSOL**
- **RESIN TYPE:** Epoxy / Phenolic
- **PROPPELLANT:** Hydrocarbon Blend
- **APPEARANCE:** Available in red, green & clear
- **SHEEN:** Semi-Gloss
- **% SOLIDS:** 22.63
- **WT./GAL.:** 6.62 lb/gal
- **SPECIFIC GRAVITY:** 0.79
- **HAZARD CODE:** 2, 4, 0
- **VOC:** 55.17%
- **MIR:** 806
- **OTC & CALIFORNIA COMPLIANT:** Yes

**BULK**
- **RESIN TYPE:** Epoxy / Phenolic
- **SHEEN:** Semi-Gloss
- **VISCOSITY:** 60 KU @ 77°F
- **% SOLIDS:** 61.70
- **WT./GAL.:** 9.12
- **SPECIFIC GRAVITY:** 1.10
- **HAZARD CODE:** 2, 3, 0
- **VOC:** 418.31 g/l 3.49 lb/gal
- **MIR:** 897
- **OTC & CALIFORNIA COMPLIANT:** Yes
- **FLAMMABLE:** Yes
- **FLASH POINT:** 240°F
- **RECOMMENDED FILM THICKNESS:** 1 Mil dt
- **COVERAGE PER GALLON (THEORETICAL):** 787 SQ FT @ 1 MIL DFT
- **SHELF LIFE:** 3 years from date of manufacture.

**PERFORMANCE SPECIFICATION:**
Meet 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 resistance
- **TEMPERATURE CLASS:** Class F (155°C / 310°F)
- **DIELECTRIC STRENGTH:**
  - Red: 2,600 VPM
  - Green: 2,890 VPM
  - Clear: 2,300 VPM
- **ONE WEEK HARDNESS:** (ASTM D 3363 SHORE A 24 hr / 1 Week): 6B
- **FLEXIBILITY:** (ASTM D 522) Pass

**CHEMICAL RESISTANCE:**
- Aliphatic hydrocarbon solvents: Moderate
- Alkalis: Severe
- Aromatic hydrocarbon solvents: Severe
- Chlorinated solvents: Moderate
- Salt water: Severe
- Glycol ethers, alcohols: Severe
- Inorganic acids: Severe
- Organic acids: Severe
- Oils: Severe

**DRYING SCHEDULE**
- **DRIING TIME AEROSOL @ 70°F @ 50% R.H.:**
  - To Touch: 10-15 Minutes
  - To handle: 30 Minutes (Tack Free)
  - Full cure: 7 Days
- **DRIING TIME BULK @ 70°F @ 50% R.H. 1mil wft:**
  - To Touch: 10 Minutes
  - To handle: 1 Hour (Tack Free)
  - Full cure: 7 Days

**NOTE:** Curing can be accelerated by baking for 1 hr @ 300 degrees F

**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.

**RECOAT:** Anytime

WHY USE SPRAYON®?

**MAXIMIZE THE PRODUCTIVITY AND SAFETY OF YOUR OPERATION.**

THE HIGHEST PERFORMING MRO/INDUSTRIAL CHEMICALS AND LUBRICANTS NOW INTEGRATED WITH A NEW 5S VISUAL MANAGEMENT SYSTEM.
WHY CHOOSE SPRAYON® INDUSTRIAL INSULATING VARNISH?

Sprayon® 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 used in a dip application and baked for faster cure rate and maximum hardness.

PROPERTIES

### AEROSOL

- **Resin Type:** Epoxy / Phenolic
- **Propellant:** Hydrocarbon Blend
- **Appearance:** Available in red, green & clear
- **Sheen:** Semi-Gloss
- **% Solids:** 22.83
- **WT./GAL.:** 6.62 lb/gal
- **Specific Gravity:** 0.79
- **Hazard Code:** 2, 4, 0
- **VOC:** 55.17%
- **MIR:** 0.806
- **OTC & California Compliant:** Yes
- **Flammable:** Yes
- **Flash Point:** >0°F
- **Recommended Film Thickness:** 1 Mil dft
- **Coverage Per Aerosol (Theoretical):** 10 SQ FT @ 1 MIL DFT
- **Shelf Life:** 3 years from date of manufacture.

### BULK

- **Resin Type:** Epoxy / Phenolic
- **Sheen:** Semi-Gloss
- **Viscosity:** 60 KU @ 77°F
- **% Solids:** 61.70
- **WT./GAL.:** 9.12 lb/gal
- **Specific Gravity:** 1.10
- **Hazard Code:** 2, 3, 0
- **VOC:** 418.31 g/l 3.49 lb/gal
- **MIR:** 0.897
- **OTC & California Compliant:** Yes
- **Flammable:** Yes
- **Flash Point:** 240°F
- **Recommended Film Thickness:** 1 Mil dft
- **Coverage Per Gallon (Theoretical):** 787 SQ FT @ 1 MIL DFT
- **Shelf Life:** 3 years from date of manufacture.

### PERFORMANCE SPECIFICATION:

Meet performance requirements of ASTM D 115-07

<table>
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<tr>
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<td>4.2.1 Drainage:</td>
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<td>4.2.2 Time of Drying:</td>
<td>See drying schedule</td>
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<td>4.2.3 Build:</td>
<td>2.0 mm</td>
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<td>4.2.6 Oil Resistance:</td>
<td>See chemical resistance</td>
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<tr>
<td>Temperature Class:</td>
<td>Class F (155°C / 310°F)</td>
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<tr>
<td>Dry Heat Resistance:</td>
<td>Constant: 310°F</td>
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<tr>
<td>Intermittently:</td>
<td>400°F</td>
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<tr>
<td>Dielectric Strength:</td>
<td>(ASTM D 115-07)</td>
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<tr>
<td>Red:</td>
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<tr>
<td>Green:</td>
<td>2,890 VPM</td>
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<td>3,200 VPM</td>
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### CHemical RESistance:

- Aliphatic hydrocarbon solvents: Moderate
- Alkalis: Severe
- Aromatic hydrocarbon solvents: Severe
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### Drying Schedule

**Drying Time Aerosol @ 70°F @ 50% R.H.**:

- To Touch: 10-15 Minutes
- To handle: 30 Minutes (Tack Free)

**Drying Time Bulk @ 70°F @ 50% R.H.**:

- To Touch: 10 Minutes
- To handle: 1 Hour (Tack Free)

**Full Cure**: 7 Days

**NOTE**: Curing can be accelerated by baking for 1 hr @ 300 degrees F

**Recoat**: Anytime

### 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.

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### THE NEW INDUSTRIAL REVOLUTION.
WHY CHOOSE SPRAYON® INDUSTRIAL INSULATING VARNISH?

CLEAR INSULATING VARNISH

EL™ 600

Leading the Charge in Insulating Varnish

- Meets performance requirements of ASTM D 115-07 4.2
- Improved dielectric strength
- Air Dries in 10 minutes
- Meets Class F Requirements
- Resists Oils, Moisture, Acids and Alkalis

USES
- Motor Windings
- Field Coils
- Transformers
- Armatures
- Commutator Ends
- Stater Windings
- Ring and Frames
- Bus Bars
- Sealing Electrical Switchboard Parts and Electronic Components

APPLICATION

DIRECTIONS FOR AEROSOL

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. White 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.

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Sprayon Sku | UPC | Description | Quantity | Length | Width | Height
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S006010000 | 0-75577-84213-1 | Red | 12 | 12.75 | 10.37 | 14.25
S006090000 | 0-75577-84215-5 | Green | 12 | 12.00 | 10.00 | 13.75
S006000000 | 0-75577-84214-8 | Clear | 12 | 12.00 | 10.00 | 13.75
A601100000 | 0-75577-84842-3 | Red, 1 Gal. | 4 | 12.25 | 12.37 | 12.50

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