



## **ELECTRIC SPRAY VARNISH (SV100) ANTI-TRACKING FILM (AEROSOL)**



**ELECTRIC SPRAY VARNISH** provides a tough, impervious insulating seal – ideal for components subjected to ‘difficult’ environments and high humidity. It is particularly suitable for improving leakage characteristics of terminal assemblies. Also seals off electrical leakage paths and has excellent resistance to transformer oils and moisture. Excellent noise reduction characteristics too. Dries rapidly to form a red coloured film. Conforms to international standards – see below.

### **BENEFITS**

- Insulates all types of electrical systems against high humidity and other ‘difficult’ environments
- When applied to cores before rewinding, significantly shortens rewinding time
- Tough and impervious
- Dries rapidly to form a thin film of red varnish
- Highly effective in sealing potential leakage paths, including high voltage transformers and switchgear
- Seals cut edges of laminated products under humid conditions
- Excellent noise reduction characteristics
- Resists transformer oils and moisture
- When cured, conforms to BS 5629 type 1.1 (IEC 85)
- Suitable for use in thermal Class B and F insulating systems
- Low hazard fungicide included in the product’s formulation which gives it an ‘0’ rating (no growth) fungal resistance when tested to BS 3900 PTG6
- Ideal for tropicalisation and for use on equipment working in warm, humid climates
- Will not damage delicate electrical parts

### **TYPICAL USES**

- Protecting circuit boards
- Protecting transformers and other coils
- Protecting repaired or reworked jobs
- Insulating against humidity and other ‘difficult’ environments
- Improving leakage characteristics of terminal assemblies
- Noise reduction in small transformers
- Moisture protection
- Finishing varnish to stop tracking
- Tropicalisation on all types of electrical equipment

### **TYPICAL INDUSTRIES**

- Electrical industry – transformer and motor manufacturing
- Motor repair/refurbishment
- Electrical assemblies

- Electrical switchgear and circuitry

Do not spray on to live electrical equipment

#### **TECHNICAL DATA**

Physical Appearance	:	Liquid
Colour	:	Red
Odour	:	Characteristic, Penetrating
Specific Gravity at 25°C	:	Not Available
Viscosity at 25°C	:	50 cPs
Flash Point, Closed Cup	:	-40°C
Boiling Range	:	142°C
Self Ignition Point	:	>250°C
Touch Dry 21°C	:	15 minutes
Handling time at 21°C	:	45 to 60 minutes
Full Cure, 21°C	:	24 to 48 hours
Breakdown Voltage, 20°C	:	4 kV/mm
Comparative Tracking Index	:	180
Flexibility	:	Pass 5mm mandrill
Packaging	:	400ml

#### **APPLICATION METHOD**

Apply to a clean, degreased surface. Shake can vigorously for about one minute after ball is heard. Spray object at about 30 cm (12 inches) at a minimum room temperature of 10°C. Do not apply excess amounts. When finished spraying, invert can and spray for a second to remove excess product from the spray head.

**Curing** – Product can alternatively be heat cured at 80°C for two to three hours – the equivalent of 24 to 48 hours at ambient. This is particularly recommended for tightly wound, heavily taped or large components to reduce the risk of solvent entrapment.

#### **STORAGE**

The product may be stored at normal ambient temperatures and has a shelf life of not less than 24 months with correct storage. Aerosols should always be stored below 50°C, away from direct heat and naked flame.

#### **HEALTH AND SAFETY**

Health and Safety sheet available separately.

#### **TECHNICAL SERVICE**

CRC Industries UK Ltd provides a technical support service and maintains a constant programme of research and development. We are able to assist customers by specific product development to meet particular requirements.

#### **MISREPRESENTATION ACT 1967**

#### **TRADE DESCRIPTIONS ACT 1968**

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CRC Industries UK Limited, Wylds Road, Bridgwater, Somerset, TA6 4DD

Tel: +44 (0) 1278 727200

Fax: +44 (0) 1278 425644

Web: [www.ambersil.com](http://www.ambersil.com)

Email: [sales.uk@crcind.com](mailto:sales.uk@crcind.com)