

# VAPPRO VCI-900 CLEAR INSULATING COATING

**NATO STOCK NUMBER:**  
6850-32-076-1639

***Quickly seals, insulates, waterproofs and protects electrical motor, Printed Circuit Board and electronic components***

## DESCRIPTION

Vapro VCI-900 is specially developed to enhance operational readiness. It is listed in NATO Codification System, with assigned NATO Stock Number: 6850-32-076-1639.

Vapro VCI-900, VCI clear insulating coating quickly seals, insulates, waterproofs and protects electrical motor and electronic components and yet allows visual inspection for the insulated parts. It provides extremely good protection in harsh and corrosive environment such as acids, alkaline, saline and solvent.

Vapro VCI-900 dries to a flexible, tough, oil-proof film that protects electrical equipment. Specially formulated from Isophthalic alkyd for durable chemical resistance finishes with excellent electrical properties. Complies with BS5629, IEC85. It is rapid air-drying in thin film and can be stoved up to 80°C. Vapro VCI-900 is compatible with most normal insulation systems.

## COMPLIANCE

COMPLIES WITH BS5629  
COMPLIES WITH IEC85

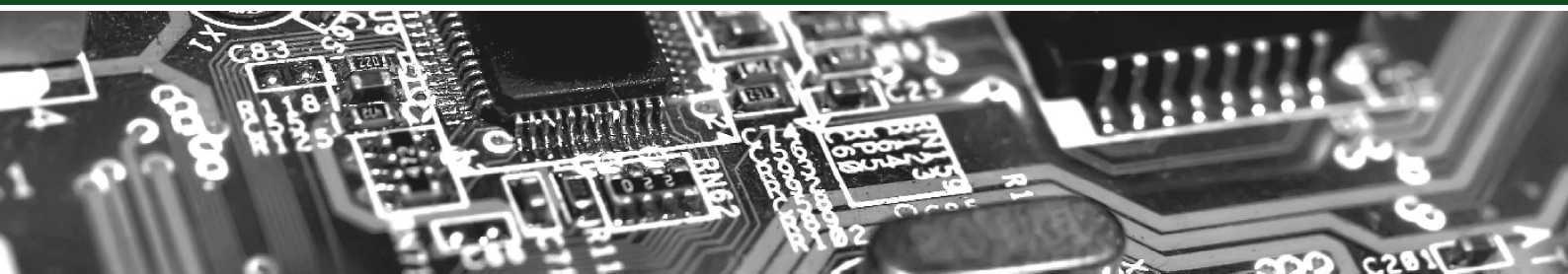
## TYPICAL APPLICATIONS

- Air-drying finish for coils
- Windings
- Insulating boards
- Mouldings
- Self-fluxing printed circuit board varnish
- Impregnation of small coils

## FEATURES

- Highly resistant to oils, moisture, acids, alkalines
- Outstanding adhesion
- Tough flexible crystal clear film
- Clear coating allows visual inspection on protected parts
- Multi-metals protection
- Does not contain nitrites, silicones or phosphates
- Vapro VCI Inhibiting actions protect inaccessible and deep recessed areas





## SPECIFIC APPLICATION

For Protection of:

Armature and stator windings, Printed Circuit Board, High voltage circuits, commutator ends, coils.

## AVAILABLE PACKAGING

20 Liters & 200 Liters Drum



## SPECIFICATIONS

### Viscosity

BS 3900 Type 90 - 130 seconds at 21°C

B4 Flow Cup

Poises

2 - 2.5 at 25°C

### Specific Gravity at 21°C

0.94 - 0.98

### Working Temperature

up to 135°C

### Flash Point (Abel Closed Cup)

Above 23°C (73°F)  
(Label 22 - 32°C)

### Curing Cycle

Typical Figures\*

### Minimum Time At Temp

Minutes 60

°C 20

### Electrical Tests

### Test Temperature

°C 20

### Breakdown Voltage

Volts/mil 1000

Volts/micrometre 39.4

### BDV after 24 hours

Volts/mil 400

### in water

Volts/micrometre 15.8

\*Stoving cycles depending on component size and oven efficiency.

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