



**Von Roll USA, Inc.**  
PO Box 1404  
New Haven, CT 06505

## **Product Data Sheet**

### **Conductive Acrylic Coating**

# **E-KOTE®**

## **3040**

### **Description**

E-Kote 3040 is a silver-filled electrically conductive synthetic coating. This material exhibits excellent conductivity and good environmental resistance. It sets up by solvent evaporation to form a hard, tough, flexible film with good adhesion to most surfaces.

E-Kote 3040 is recommended in applications where solderability is NOT required.

E-Kote 3040 exhibits improved adhesion and greater flexibility, abrasion and mar resistance than E-Kote 3030.

E-Kote 3040 is recommended for applications such as shielding, printed circuitry and lead terminations. E-Kote 3040 is suitable for application to flexible surfaces such as thin metal, Mylar, etc.

### **Physical Properties**

Color	Silver
Binder	Acrylic
Viscosity @ 25°C, cps.	6,000
Specific gravity	1.8
Dry coverage, 1 mil	4 sq.ft./oz.
Shelf life, 25°C	12 months
Total solids by weight	69%

### **Technical Properties**

Volume Resistivity, ohm-cm, 25°C	0.001
Resistance, ohms/sq./mil, 25°C	0.5
Operating temperature, °C	175
Impact, Gardner reverse	10 in. lb.
Flexibility, ¼" Mandrel	passed

### **Method of Use:**

E-Kote 3040 may be applied by dipping, brushing, silk-screening or spraying. Viscosity may be reduced as required by thinning with PMA or Xylene.

When spraying, follow common practice-use a fine coating of spray and avoid flooding. On certain plastics crazing may occur as a result of too heavy a single coat application. Two or more light passes are better than one heavy application. Surfaces to be painted must be thoroughly cleaned of grease, oils, dirt, oxides and residual mold release agents.

The coating dries to the touch and is ready to use in minutes.

Optimum properties are obtained after drying approximately 16 hours at room temperature.

## Containers

E-Kote 3040 is available in 3 oz. kit and 16 oz containers.

## Precautions

Flammable. Keep away from heat or open flame. Avoid inhalation of vapor and use good ventilation. May cause skin sensitization. Do not get on skin, in eyes, or on clothing. In case of skin contact, wash with soap and water. If eye contact occurs, flush with water and contact physician. For Material Safety Data Sheet please contact Von Roll /Insulating Materials Inc. at 518-344-7100.

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