

## ECCOSHIELD® VCA

Electrically Conductive Solvent-Based Adhesive

### Material Characteristics

- ECCOSHIELD® VCA is a one-part highly electrically conductive adhesive designed for bonding ECCOSHIELD® LSV gasket material to metal
- ECCOSHIELD® VCA may be used for permanent bonds where it is not stressed in tension or shear or in applications where temporary bonding is desired
- Due to the pressure sensitive properties of ECCOSHIELD® VCA, the bonded pieces may be stripped apart by hand and simply pressed at a later time without loss of adhesion or conductivity

### Applications

- ECCOSHIELD® VCA is designed for bonding ECCOSHIELD® LSV gasket material to metal

### Shipping & Availability

- ECCOSHIELD® VCA is available in both .1 pound (1 oz.) and .8 pound (8 oz.) jars
- ECCOSHIELD® VCA ships as a hazardous material: Class 3 Flammable, UN1866, PG II

### Instructions for Use

- All surfaces to be bonded with ECCOSHIELD® VCA should be cleaned of all oil, grease, or non-conductive oxides. Solvent or abrasive type cleaners may be used for this step. Light abrasion is advantageous even after solvent cleaning
- ECCOSHIELD® VCA may be applied with a brush or other suitable applicators. It should be applied to both mating surfaces
- If you need to reduce viscosity of ECCOSHIELD® VCA, ethyl acetate may be used. Caution should be exercised as this material is flammable
- ECCOSHIELD® VCA will dry quite rapidly under normal conditions. If the materials are non-porous, open time of 30 minutes should be allowed to avoid trapping solvent, and to develop sufficient tack. Heat may be used to speed the drying process. One half hour at 80 °C is generally adequate to remove all traces of solvent. The surfaces are then simply pressed together
- Safety Note: Keep container tightly sealed when not in use to avoid extensive evaporation. Thickened material may be reconstituted with small amount of ethyl acetate and then blended thoroughly
- Do not store near heat or use near open flame. Consult the associated MSDS for further safety information

### Typical Properties

Color	Silver
Service Temperature, °F (°C)	50 to 212 (10 to 100)
Tack Period	30 minutes to 24 hours
Volume Resistivity	<0.001 ohm-cm
Compatible Solvent	Ethyl Acetate
Peel Strength on LSV	~30 lb/in
Shelf Life	6 months

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