



REV 3.0
6-57631

BCE-37611

DEFINITION

Protavic BCE-37611 is a dry / heat cure pure silver based, single component, electrically conductive ink in solvent media. It is designed for the printing of flexible circuit paths used in membrane switch and RFID type applications. It can withstand continuous high heat environments greater than 150°C such as post lamination assembly in RFID & Contactless Smartcard™ applications.

PRODUCT DESCRIPTION

Appearance	liquid
Odor	Faint fruity
Color	Silver gray

Other information	
Pot life time @ 25± 2°C	>24 hours
Possible curing cycles	<ul style="list-style-type: none"> • Dry/Cure 2 minutes @ 120°C • Post cure at higher temperature will increase conductivity and toughness but is not required.
Volume Resistivity, Cured one hour at 150°C after dry	<0.3 mΩ-cm ASTM D257
Shelf life	Six months in original unopened containers stored at -20°C or below.

APPLICATION PROPERTIES

- The materials are ideally suited for applications such as:
 - Membrane Switch
 - RFID Antenna
 - Contactless Smart Card™



APPLICATION RECOMMENDATIONS

- BCE-37611™ can be used for more than 8 hours with little change in viscosity. Addition of Protosolve 434 may be necessary to replace evaporated solvent in some cases.

TYPICAL PROPERTIES OF CURED BCE-37611™

The properties listed below were determined from measurements carried out in a limited number of tests after curing **BCE-37611™**. These properties are given as guidance, and do not constitute a guarantee. It will be for the user, in all cases, to carry out their own tests to determine whether **BCE-37611™** is suitable for the user's particular application.

Property	Result	Methods
Viscosity at 25°C ,at 10 r.p.m, mPas	6700 to 7300	RVT small sample adapter
Volume Resistivity, mΩ-cm (Cured 2 minutes at 120°C)	0.3 mΩ-cm	ASTM D257
Density at 20°C	2.7	

PROTAVIC AMERICA, INC.

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PRECAUTIONS IN USE

Refer to the attached material safety data sheet.

PACKAGING

Contact Protavic America for specific packaging requirements Available in jars, carboys and Semco™ tubes

The information contained in this data sheet corresponds to the present state of our knowledge; it is intended for your guidance but we are not bound by it since we are not in a position to exercise control over the manner in which our products are used. Moreover, the attention of the user is drawn to the risks that could possibly occur should a product be used for an application other than that for which it is intended.

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