



EXCLUSIVE DISTRIBUTORS OF  
**REINHARDT-TECHNIK**  
 Machines for the application of adhesives & sealants  
**PANACOL ELOSOL**  
 Adhesive systems



Bonham Drive, Eurolink Industrial Estate  
 Sittingbourne, Kent. ME10 3RY  
 Tel 01795 427888 Fax 01795 479685  
 Email [sales@eurobond-adhesives.co.uk](mailto:sales@eurobond-adhesives.co.uk)  
 Web [www.eurobond-adhesives.co.uk](http://www.eurobond-adhesives.co.uk)

**Technical Data - ELECOLIT 414**

**ELECOLIT 414** is a polyester - based, electrically conductive ink, coating and adhesive suitable for application by stamping, screen printing, dipping and syringe dispensing.

**ELECOLIT 414** is formulated to provide exceptional conductivity when cured at low temperatures. Unlike conventional conductive materials, this product is very resistant to flexing and creasing. Some applications for **ELECOLIT 414** include, but are not limited to, EMI/RFI shielding of polyimide flexible circuits, polymer thick film circuitry, membrane switches, electrical attachments for surface mounted devices and anode coatings for tantalum capacitors.

**TYPICAL CURED PROPERTIES**

Consistency	Smooth Paste
Filler	Silver
Percent Silver, Cured	87
Crease Resistance	Excellent
Volume Resistivity (ohm-cm) (70°C)	0.00005
Sheet Resistivity(ohm/sq/mil) (70°C)	0.02
Solderable	NO
Hydrolytic Stability	Excellent
Useful Temperature Range	-65°C to + 200°C
Thermal Stability	Good to 325°C

**SUGGESTED HANDLING AND CURING**

**ELECOLIT 414** is ready to use as supplied. Further thinning may be accomplished by adding small amounts of Buthyl Cellosolve Acetate. Prior to using, be certain to re-suspend silver by thorough mixing. Best properties for most applications, result when cured for several minutes at 125°C to 150°C. Good properties are obtained on a variety of substrates by dry and curing for 15 minutes at 70°C. End user is advised to experimentally determine temperature and time best suited for individual applications.

**STORAGE**

Shelf Life: 6 months at 25°C, or 9 months at 5°C, or 12 months at -10°C

**SAFETY AND HANDLING**

Use with adequate ventilation. Keep away from sparks and open flames. Avoid prolonged contact with skin and breathing of vapours. Wash with soap and water to remove from skin. 14.12.98

No liability is accepted for any injury, loss or damage arising directly or indirectly from the use of the Company's products or from the use of information given in our publications, which is intended to serve as a guide only. Customers should satisfy themselves by appropriate trials that the products are suitable for their intended use.

