

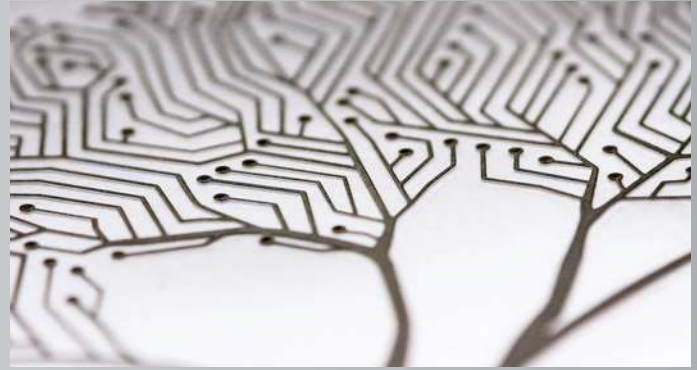
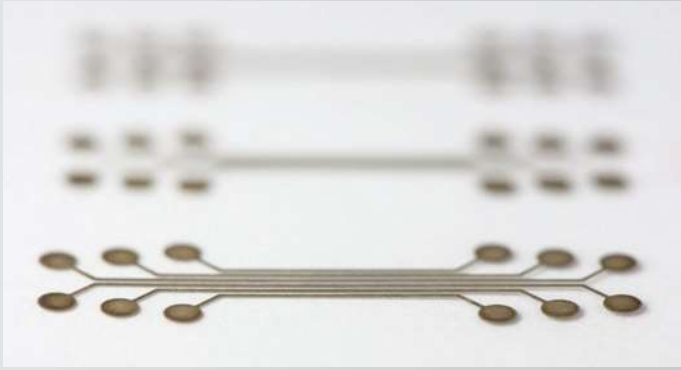
LOCTITE[®] ECI 1006 E&C

HALOGEN-FREE, ELECTRICALLY CONDUCTIVE INK WITH FINE-LINE PRINTING CAPABILITIES



Henkel's latest conductive ink innovation, LOCTITE[®] ECI 1006 E&C, is a fine-line, screen-printable electrically conductive ink ideal for touch-screen and other applications where fine feature printing is required. High resolution printability and good conductivity are the cornerstones of this material, which delivers excellent adhesion to indium-tin oxide (ITO), etched ITO and polyethylene (PET). The fine-line capability and electrical conductivity make LOCTITE ECI 1006 E&C well-suited for touch-screen manufacture, in addition to RFID, photovoltaic, membrane switch and flexible circuit applications.





Key Benefits and Applications

PRODUCT	DESCRIPTION	APPLICATIONS	KEY BENEFITS
LOCTITE ECI 1006 E&C	Halogen-free, silver-filled printable ink, with fine-line printing capabilities	<ul style="list-style-type: none"> • Busbar support for ITO films • Membrane switches • Digitizers • Flexible circuits 	<ul style="list-style-type: none"> • Excellent fine-line and high resolution printability • 50 µm lines and spaces attainable • Excellent adhesion to sputtered ITO and PET • Good electrical conductivity • High aspect ratio with minimal slump

Markets Served

- Touch-Screens
- RFID (Radio Frequency Identification)
- Photovoltaic (Solar)

TYPICAL PROPERTIES OF UNCURED MATERIAL	
Solids Content, TGA (%)	71
Density (g/cc)	2.45
Viscosity (cP at 10 s ⁻¹)	75,000
Shelf Life at 25°C (days)	365
Flash Point (°C)	100
TYPICAL CURING PERFORMANCE	
Recommended Drying Cycle at 130°C (min.)	20

DISPLAY TOUCH-SCREEN PRODUCT APPLICATION

Henkel offers conductive inks with varying levels of conductivity to meet production requirements.

LOCTITE NCI 9001 E&C

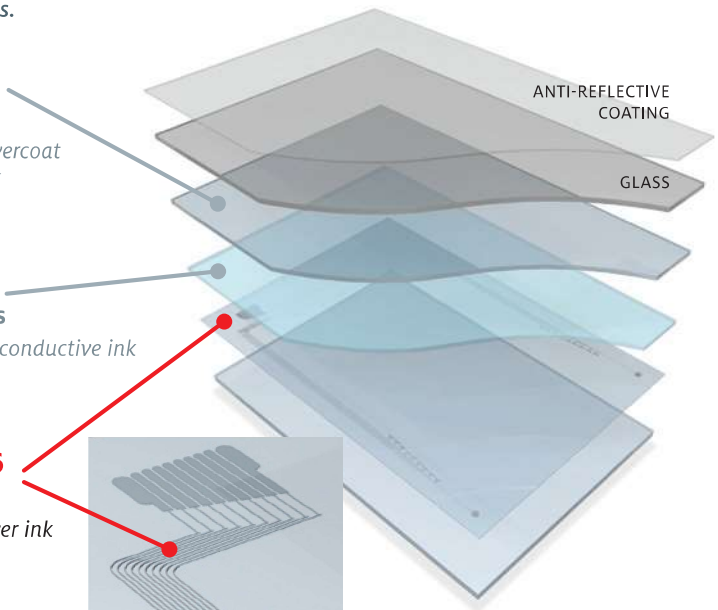
Protective overcoat dielectric ink

LOCTITE ECI 5000 E&C Series

Transparent conductive ink

LOCTITE ECI 1006 E&C

Fine-line silver ink



Across the Board,
Around the Globe.
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