



ACI SE1108

ACI SE1108 is a silver filled conductor for printed circuitry and devices on elastomeric substrates. It can be dried at low temperatures to accommodate sensitive substrates and devices. After curing, the ink has excellent conductivity and offers excellent elongation and flexibility. SE1108 has been formulated for superior adhesion to thermoplastic urethanes (TPU). It is compatible with ACI's other stretchable materials.

ACI SE1502

ACI SE1502 is a carbon filled conductor for printed circuitry and devices on elastomeric substrates. It can be dried at low temperatures to accommodate sensitive substrates and devices. After curing, the ink has good conductivity and offers excellent elongation and flexibility. SE1502 has been formulated for superior adhesion to thermoplastic urethanes (TPU). It is compatible with ACI's other stretchable materials and can be printed over the silver grades in sensor applications to limit silver migration.



ACI TM1077

ACI TM1077 is a silver filled, solvent free, one component die attach adhesive that remains stretchable following thermal cure. This conductive adhesive was designed for large dies and accommodates thermomechanical stresses arising from differences in the thermal expansion coefficients between components. TM1077 is highly thermally conductive and can be used in a broad range of applications including aerospace, defense, lighting, energy and medical electronics.



ACI FE3124-LV

ACI FE3124-LV is a silver filled flexible conductive trace for use on PET, polyimides, and other bendable substrates. FE3124-LV has lower viscosity than FE3124, adjusted to a level appropriate for typical screen printing applications. For those looking for absolute minimal slump or to adjust solids themselves specifically for their process use FE3124. FE3124-LV has excellent adhesion to PET and maintains flexibility after cure to accommodate various packaging form-factors and use cases.

ACI FE3124

ACI FE3124 is a silver filled flexible conductive trace ink for use on PET, polyimides, and other bendable substrates. It offers high conductivity and low slump for feature resolution less than 100 μm . After cure FE3124 has excellent adhesion and flex ductility to accommodate various packaging form-factors and use cases. The ink is fully compatible with other products in ACI's flexible electronics platform.



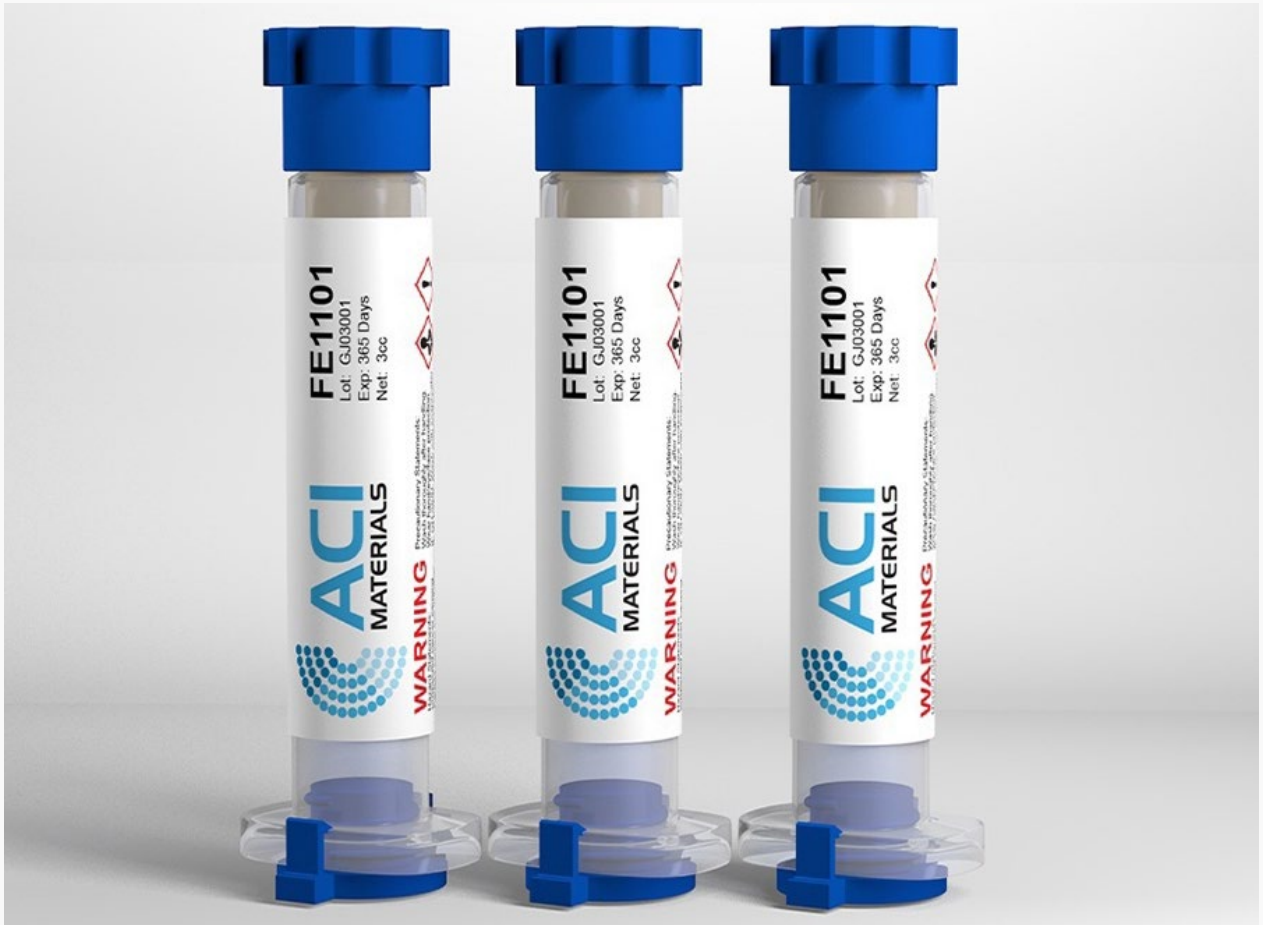
ACI FE1334

ACI FE1334 is a stretchable adhesive with superior electrical conductivity. It is a silver filled, one component epoxy that can be deposited using stencil, syringe, or jet dispensing. The adhesive was designed for bonding components to compliant substrates and remains stretchable following thermal cure. This highly compliant material lowers the stress risers at the bonded interface and accommodates bending and flexing in a variety of applications.



ACI FE1331

ACI FE1331 is a silver filled, solvent free, one component conductive adhesive that remains stretchable following thermal cure. This conductive adhesive was designed for bonding to flexible substrates and accommodates interface stresses and strains during bending. FE1331 is both electrically and thermally conductive and can be used in a broad range of applications.



ACI FE1101

ACI FE1101 is one-part conductive epoxy. It cures at temperatures as low as 70 °C making it is well suited for the substrates with low temperature requirements such as polyester and TPU. FE1101 is compatible ACI inks and encapsulants and is optimized for use in rigid-flex circuits. As a one-part system FE1101 has a pot life of over a month at 20°C allowing for large batch long production runs to be done with no change in viscosity or throughput.



ACI FE5236

ACI FE5236 is a stretchable non-conductive epoxy used to bond components in flexible and stretchable systems and to manage thermal expansion mismatches in rigid packaging solutions. The NCA can be used in concert with ACI's conductive adhesives, FE133X series, to create an effective surface mount attachment on flexible and stretchable substrates. It can be used with traditional deposition processes and cures with low shrinkage.



ACI SE3103

ACI SE3103 is a screen printable, thermally cured ink that is stretchable when cured and compatible with ACI's stretchable inks. SE3103 can be used as an encapsulant and/or crossover dielectric. The product uniformly deposits to form void free films and cures down to 80°C, which minimizes problems with low residual shrinkage polymer films and/or tight registration tolerance applications. When cured, the ink displays exceptional durability, excellent flexibility, and high insulation resistance. SE3103 has excellent adhesion to TPU, and is fully compatible with ACI's suite of products engineered for stretchable and flexible electronics.

ACI AS1101

ACI AS1101 is an ESD coating ideally suited for aerospace applications requiring exceptional durability and heat resistance. The product is fully inorganic and offers superior abrasion, radiation, corrosion, and chemical resistance. AS1101 provides more consistent electrical conductivity than conventional organic ESD coatings, while offering film stability under even the harshest environmental conditions.



ACI FE5237

ACI FE5237 is an epoxy based glob top encapsulant that remains stretchable following thermal cure. The encapsulant can be used in combination with ACI's stretchable ECAs and NCAs for interconnect solutions. The material can also be used as a standalone to electrically insulate and protect components mounted to flexible and stretchable systems, or for rigid systems to manage stresses arising from large thermal expansion mismatches.



ACI FE5235

ACI FE5235 is a UV curable encapsulant and/or crossover dielectric. FE5235 rapidly cures under a broad range of UV exposure conditions. When cured, the encapsulant displays exceptional durability and high insulation resistance. FE5235 has excellent adhesion to conductive epoxies FE1101 and FE1103.



ACI AS3201

ACI AS3201 is a thermal barrier coating designed for aerospace applications that require exceptional durability under harsh conditions. The coating is fully inorganic and offers superior abrasion resistance, full resistance to solvents, and protects against corrosion. AS3201 does not erode (chalk) or ablate following scorch testing, salt spray, or other accelerated aging tests. In the wet state, the product provides a conformal coating onto large complex surfaces and can be used to coat polymers, metal, ceramics, glasses and composite materials.