TC0307A is a pure Ag conductor with low resistivity and superior fine line print resolution. TC0307A provides excellent compatibility with HeraLock® HL2000 during the co-firing process.

TC0307A is optimized for screen printing as a routing conductor. The material may readily be used to print fine line patterns.

**Key Benefits**
- ROHS compliant
- Print fine line patterns
- Excellent screen life

**Typical Properties**
- **Resistivity:** ≤ 3.0 mΩ□ at 20 µm dried film thickness (buried and co-fired with HeraLock® HL2000 tape)
- **Viscosity:** 180 – 240 Kcps Brookfield HBT
  SC4 – 14 spindle, 6R utility cup at 10 rpm, 25 °C
- **Solids:** 80.0 ± 1.0 %

**Recommended Processing Guidelines**
- **Printing:**
  280 – 400 mesh stainless steel screen
- **Drying:**
  Maximum temperature of 80 °C for 10 – 20 minutes
- **Firing:**
  See HeraLock® HL2000 data sheet
- **Line Resolution:**
  ≥ 100 µm printed
- **Film Thickness:**
  Dried: 20 – 25 µm
  Fired: 10 – 15 µm
- **Compatibility:**
  HeraLock® HL2000
- **Thinner:**
  RV-372
- **Warranty:**
  Material guaranteed to meet specifications for 6 months from date of shipment.
- **Storage:**
  Store in a dry location at 5 – 25 °C
  **DO NOT REFRIGERATE**
  Allow paste to come to room temperature prior to opening. Spatulate well before using, as settling may occur during storage.
Legend:

1) RoHS compliant according to the latest ** Directives (European Union) of Restriction of Hazardous Substances ("RoHS") and its subsequent amendments (including the exceptions related to Pb).