**TC2305 is a pure Ag conductor which provides excellent compatibility low temperature co-fired ceramic (LTCC) during the cofiring process.**

TC2305 can be optimized for various filling methods. This is done by adjusting the solids content.

The paste is compatible with other cofiring pastes and with various postfiring pastes.

**Key Benefits**
- Low resistivity
- Compatible with LTCC
- Excellent printability
- Pb and Cd free
- REACH\(^1\) and RoHS\(^2\) compliant

**Recommended Processing Guidelines**
**Printing**
Various methods
Allow to level at room temperature for 10 minutes before drying.

**Drying**
Maximum temperature 80 °C for 10 minutes

**Firing**
870 – 880 °C peak temperature
Ramp from burnout to firing peak: 5 °C/minute
Dwell time at peak: up to 30 minutes
Total cycle time up to 12 hours
(Most easily achieved in a box oven).

**Via Definition:**
≥ 80 µm diameter

**Thinner:**
RV-507

**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.

**Typical Properties**
**Resistivity:**
≤ 2.5 mΩ·□ at 12.5 – 17 µm dried film thickness

**Viscosity:**
200 – 500 Pas, Cone and plate at 10 sec\(^{-1}\), 25 °C

**Solids:**
92.5 ± 1.0 %
Legend:

1) REACH compliant according to the latest * Annex XIV to Regulation (EC) of the European Parliament and of the council on the Registration, Evaluation, Authorisation and Restriction of Chemicals ("REACH") by European Chemicals Agency and its subsequent amendments; the material does not contain any substance listed in Annex XIV.

2) 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)