A3788A is a reactive (metal oxide) bonded platinum paste, which fires to a dense platinum surface. A3788A has a rheology suitable for brushing.

**Key Benefits**
- Reactive bond paste
- Can be used on Alumina, Zirconia or Titania bodies
- Pb free
- REACH¹ and ROHS² compliant

**Typical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Black paste</td>
</tr>
<tr>
<td>Viscosity</td>
<td>15 – 20 Kcps Brookfield RVT SC4 – 14 spindle, 6R utility cup at 50 rpm, 25 °C</td>
</tr>
<tr>
<td>% Solids</td>
<td>63.0 ± 1.0 %</td>
</tr>
<tr>
<td>FOG</td>
<td>≤ 10 µm (at 4th streak)</td>
</tr>
</tbody>
</table>

**Recommended Processing Guidelines**

**Printing**
280 mesh stainless steel screen
0.5 mil emulsion

**Thicknesses:**
- Wet: 23 – 27 µm
- Dried: 10 – 14 µm
- Fired: 5 – 9 µm

**Coverage**
120 cm²/g at 7 µm fired film thickness

**Drying**
125 °C peak temperature
15 minutes at peak temperature

**Firing**
850 – 1100 °C peak temperature
Dwell time of 9 – 11 minutes

**Thinner:**
RV-372 (Terpineol)

**Warranty:**
Material guaranteed to meet specifications for 3 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.
Technical Data Sheet

Platinum Conductor

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).

The descriptions and engineering data shown here have been compiled by Heraeus using commonly accepted procedures, in conjunction with modern testing equipment, and have been compiled as according to the latest factual knowledge in our possession. The information was up to date on the date this document was printed (latest versions can always be supplied upon request). Although the data is considered accurate, we cannot guarantee accuracy; the results obtained from its use, or any patent infringement resulting from its use, unless this is contractually and explicitly agreed in writing, in advance. The data is supplied on the condition that the user shall conduct tests to determine materials suitability for particular applications.