PRODUCT INFORMATION SHEET

C2000904P3
Platinum Paste

PRODUCT DESCRIPTION
It can be used on partially stabilized zirconia and tape cast materials.

Shelf Life
In a sealed container, stored correctly, the shelf life is minimum 6 months from despatch.

Product Benefits
The Platinum powder containing within this paste has low shrinkage and high adhesion to ceramic substrates.

PROCESSING
Screen Printing Equipment
Semi-Automatic, manual

Paste Screen Life
>3 hours

Screen Types
Stainless steel, polyester, mesh 156 –325 tpi

Typical Drying Conditions
Dry at 120°C -150°C for 10-15 minutes in a box oven.

Typical Firing Conditions
Above 850°C. During firing a temperature of 850°C for 10 mins must be achieved.

Clean Up Solvent
Ethoxy Propanol

Substrate
Partially stabilized zirconia and tape cast materials

Storage
The product should be kept sealed, in its container, and stored at room temperature (20°C)

PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids Content at 700°C</td>
<td>69.75 – 70.25 %</td>
</tr>
<tr>
<td>Viscosity</td>
<td>9.1 - 18.8 Pa s</td>
</tr>
<tr>
<td>Coverage</td>
<td>136 cm² per g</td>
</tr>
<tr>
<td>Sheet Resistivity</td>
<td>60 mΩ/sq at 25µm</td>
</tr>
</tbody>
</table>

SAFETY AND HANDLING
These inks are intended for industrial use by trained personnel. It is important for workers to avoid overexposure to chemicals contained in these products.

Read the Material Safety Data Sheet (MSDS) and product labels before using the products.

Keep product container closed when not in use to prevent solvent evaporation and spilling hazard

Issued by Gwent Group November 2018
Issue 5

Our Products are intended for sale to professional users. The information herein is general information designed to assist customers in determining the suitability of our products for their applications. All recommendations are made without guarantee, since the application and conditions of use are beyond our control. We recommend that customers satisfy themselves that each product meets their requirements in all respects before commencing a print run. There is no implied warranty of merchantability or fitness for purpose of the product or products described herein. In no event shall Sun Chemical be liable for damages of any nature arising out of the use or reliance upon this information. Modifications of the product for reasons of improvements might be made without further notice.