PRODUCT INFORMATION SHEET

C2011004P5
Platinum Paste

PRODUCT DESCRIPTION
Platinum Paste is designed for Oxygen Sensor Applications. This is a pure platinum paste with no inorganic additions to give maximum response to oxygen. It is suitable for firing on to other high temperature ceramic substrates, particularly zirconia.

Product Benefits
High firing for ceramic substrates, good response to oxygen.

PROCESSING

Application Method
Brushing /Dipping. Not suitable for screen printing

Typical Drying Conditions
Dry at 100-120°C for 10-15 minutes in a box oven

Typical Firing Conditions
Fire at 1000-1300°C. The firing profile should be over 1-2 hours, with 10-20 minutes at peak temperature.

Clean Up Solvent
Ethoxy Propanol

Substrate
Stabilised Zirconia, or other high temperature ceramic substrates

Storage
The product should be kept sealed, in its original temperature between 15°C to 25°C

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

PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Solids Content at 700°C</th>
<th>78.9 – 79.1 %</th>
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<tbody>
<tr>
<td>Viscosity</td>
<td>0.13 – 2.58 Pa s</td>
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<tr>
<td>Haake RS1 C20/2º TiL at 230 sec⁻¹ at 25°C.</td>
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<tr>
<td>Sheet Resistivity</td>
<td>~30 mΩ/square @ 25µm</td>
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<td>Printed through 230 stainless steel mesh with 13micron emulsion</td>
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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

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