PRODUCT DESCRIPTION

This product has been designed as a platinum paste suitable for high temperature firing applications on to electro-ceramic substrates such as NTC. It is capable of withstanding repeated firing at high temperature. This product is in a ready to use form at a viscosity suitable for automatic or semi-automatic screen printing.

Product Benefits
Stable electrical properties on repeat firing.

PROCESSING

Screen Printing Equipment
Automatic, Semi-Automatic, manual

Ink Screen Life
>3 hours

Screen Types
Stainless steel, polyester 230 - 325 tpi.

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

Typical Firing Conditions
1150 -1250°C with a dwell time of 10 -30 minutes.

Clean Up Solvent
Ethoxy Propanol

Substrate
NTC other electro-ceramic or ceramic substrates.

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

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

PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Solids Content at 700°C</td>
<td>73.75 -74.24%</td>
</tr>
<tr>
<td>Viscosity Haake RS1 C20/2° TiL at 230 sec⁻¹ at 25°C.</td>
<td>6.0 – 3.5 Pa s</td>
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<tr>
<td>Sheet Resistivity Printed through 230 stainless steel mesh with 13micron emulsion</td>
<td>&lt;0.1Ω/square @ 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

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