PRODUCT INFORMATION SHEET

C2131007D3
Silver/Silver Chloride Paste 50/50

PRODUCT DESCRIPTION
Silver/Silver Chloride Paste has a ratio of Silver to Silver Chloride of 50/50. The paste is in a ready to use form at a viscosity suitable for automatic or semi-automatic screen printing. The paste should be gently stirred before use avoiding introduction of air bubbles.

Product Benefits
Applications in Medical Diagnostics, Environmental Sensor and the ‘Agri-Food’ Industries.

PROCESSING

Screen Printing Equipment
Automatic, Semi-Automatic, manual

Ink Screen Life
>3 hours

Screen Types
Polyester, mesh 156 to 230tpi

Note: Stainless Steel mesh is not recommended, since a paste component can become corrosive in the presence of moisture. Also, plastic palette knives should be used instead of metal knives

Typical Drying Conditions
60 - 130°C for 30minutes.

Clean Up Solvent
Ethoxy Propanol

Substrate
Polyester, PVC, Polycarbonate or ceramic.

Storage
The product should be kept sealed, in its original container, and stored at a temperature between 15°C to 25°C

Shelf Life
In a sealed container, stored correctly, the shelf life is minimum 3 months from despatch.

PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Solids Content at 700°C</th>
<th>81.14 - 83.14%</th>
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</thead>
<tbody>
<tr>
<td>Viscosity</td>
<td>3.5 - 7.0 Pa.s</td>
</tr>
<tr>
<td>Coverage</td>
<td>&gt;130 cm² per g</td>
</tr>
<tr>
<td>Sheet Resistivity</td>
<td>&lt;150 mΩ/sq @ 60°C</td>
</tr>
<tr>
<td></td>
<td>&lt;100 mΩ/sq @ 130°C</td>
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<tr>
<td></td>
<td>Results Normalised at 25µm</td>
</tr>
<tr>
<td>Cured Thickness</td>
<td>Typical -20-30 microns</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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