



# C2131014D3

## Flexible Silver Paste

### PRODUCT DESCRIPTION

This product is part of a range of Heat Curable Pastes designed specifically for use in **Electro Luminescent** systems. These products are based on a unique curing process that results in the low temperature formation of a thermosetting polymer. This paste has excellent adhesion, chemical and environmental resistance properties.

#### Product Benefits

Excellent adhesion to ITO, chemical and environmental resistance.

### PROCESSING

#### Screen Printing Equipment

Semi-Automatic, manual

#### Paste Screen Life

>3 hours

#### Screen Types

Stainless steel, polyester. Mesh 156-325 tpi

#### Typical Curing Conditions

Belt Dryer 130°C for 3 minutes.

Box Oven 130°C for 10 minutes.

#### Clean Up Solvent

Ethoxy Propanol or Sericol

#### Substrate

ITO coated polyester.

#### 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.

#### Diluent / Thinner

Not recommended.

### PHYSICAL PROPERTIES

<b>Solids Content</b> at 700°C	57—59.75%
<b>Viscosity</b> Haake RS1 C20/2° TiL at 230 sec <sup>-1</sup> at 25°C.	6.5 - 8.5 Pa.s
<b>Coverage</b> Using a 230 mesh stain- less steel screen	Typical 150 cm <sup>2</sup> per g

### PHYSICAL PROPERTIES PRINTED ON POLYESTER FILM

<b>Cured film thickness</b> On 175µ ITO coated Poly- ester	Typical 10 microns
<b>Sheet Resistance</b> Normalized at 25µm	100mΩ/Square

### SAFETY AND HANDLING

These pastes 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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