



<b>C2180601D1</b>
<b>Silver Paste</b>
<b>DEVELOPMENT</b>

### PRODUCT DESCRIPTION

This product has been developed as part of a range of Heat Curable pastes designed for use in **Electro Luminescent** systems. This product uses a thermo-plastic polymer to give strong, flexible films.

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

Box Oven 150°C for 30 minutes.

#### Clean Up Solvent

Ethoxy Propanol

#### 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	69-71%
<b>Viscosity</b> Haake RS 1, C20/2° TiL at 230 sec <sup>-1</sup> at 25°C.	10-14 Pa s
<b>Normalised Resistance</b> Electrical Resistance normalised to 25µm	Typical 0.025-0.08 Ohms/sq

### 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

Issued by Gwent Group July 2018  
Issue 1

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