

**C2100318D2****Silver Zinc Paste****PRODUCT DESCRIPTION**

This product has been designed as a 'one part system' alternative to the traditional two part system. It is a screen printing paste for coating barium titanate PTC ceramic substrates.

Product Benefits

Fast, low cost manufacturing.

PROCESSING**Screen Printing Equipment**

Semi-Automatic, manual

Paste Screen Life

>3 hours

Screen Types

Stainless steel, polyester, mesh 156-325 tpi

Typical Drying Conditions

Dry at 150°C for 10-15 minutes in a box oven.

Typical Firing Conditions

The firing temperature is related to the properties of the ceramic. Typically it should be fired at temperatures of 560°C - 630°C

Clean Up Solvent

Ethoxy Propanol or Sericol

Substrate

Barium Titanate PTC ceramic parts.

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

S60118D3

PHYSICAL PROPERTIES

| | |
|--|--------------------|
| Solids Content at 130°C | 78.5-80.0% |
| Viscosity Haake RS1 C20/2 TiL at 230 sec ⁻¹ at 25°C. | 12.00 - 14.00 Pa s |

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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