



Product Specification

Product:	Silver-Platinum Paste
Part Number:	03H-1805

Application Scope :

This product is suitable for thick film circuit and sensor.

Usage Conditions :

Substrate	Alumina ceramic
Printing	200-300 mesh screen printing
Leveling	Let it level at room temperature for 5-15 minutes (depending on the actual leveling time).
Drying &Sintering	Bake in an oven at 100-150°C for 10-15 minutes Sintering in a tunnel furnace under air atmosphere at a peak temperature of 850°C (recommended) for 10 minutes.
Thinner	ST-1000

Characteristics :

1. Paste Characteristics :

Characteristic		Standard	Test Method And Conditions
1	Fineness	$\leq 5\mu\text{m}$	FOG test
2	Viscosity	130-280Pa.s	Brookfield HBT viscometer (Rotor SC4-14/6R), 10 rpm, with viscosity adjustable to $25\pm 1^\circ\text{C}$ according to user requirements.

2. Characteristics After Curing :

Under sintering conditions 1, the film thickness ranges from 8 to 12 microns Check fired film produced under the conditions specified in 1) , (Film thickness is $8-12\mu\text{m}$.)

Characteristics		Standard	Test Method And Conditions
3	Resistivity	$\leq 10\text{m}\Omega/\square$	Test pattern $0.6\text{mm}\times 60\text{mm}$



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4	Adhesion		Peel Test: 0.5mmφ Tin plated Cu wire soldered on 2mm×2mm Pad. Solder: 96.5Sn/0.5Cu Mildly activated flux used.
	Initial Adhesion	≥46.5N	
	Aging Adhesion	≥26.7N	Aging conditions: 150°C,24 hours

Save Conditions And Validity Period :

The product should be stored in a sealed environment at 5-25°C. The shelf life is 1 year from the date of shipment.

Packaging Method :

Standard packaging: 1000g per can. Samples are available in 200g small cans.