



Instructions of SIJ-J1000 series inkjet ink

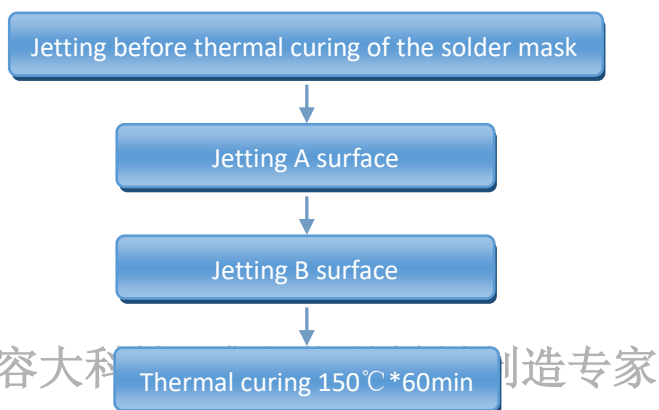
SIJ-J1000 series inkjet ink is a single component UV+ heat curable ink. Environmentally friendly halogen-free UV has good drying performance, good adhesion, tin leaching and gold yellow denaturation. The ink meets the requirements of the EU RoHS and REACH. Compared with traditional screen printing ink, SIJ-J1000 series inkjet ink has the advantages of simple process and high productivity.

General properties

Project	Parameters
Color	White
Viscosity	35-40CP(25℃)
Proportion	1.20
Surface tension	21-25mN/m(20-25℃)
Storage period	6 months (0-25℃)
Packing	1kg/ Cans and 10kg/ Box

Processing instructions:

SIJ-J1000 series inkjet ink can be used before or after thermal curing of the solder mask. In order to achieve better adhesion and save construction technology, it is generally recommended to be used before baking layer.





Coating properties:

Requirement	Test Method	Result
Adhesion	IPC-TM-650 2.4.28.1	100/100
Pencil Hardness	ASTM D3363 (0.5Kg)	5H
Resistance to Solder	IPC-SM-840E 3.7.3.1 Solder Float $260 \pm 5^{\circ}\text{C}$ 10sec*3times	OK
Solvents Resistance	IPC-TM-650 2.3.42 No peeling	OK
Acid Resistance	IPC-SM-840E 3.6.1.2 10vol% H_2SO_4 20°C *30min	OK
Alkaline Resistance	IPC-SM-840E 3.6.1.2 10vol% 10wt% NaOH * 20°C *30min	OK

Attention on process:

- 1、Keep the operation room cleaned. the product must be protected for dust.
- 2、Operating in the clean room of the ambient temperature at $20-25^{\circ}\text{C}$ /50-60%RH.
- 3、Avoid direct exposure to UV and sunlight. Desirable to use ink in yellow lamps.
- 4、Appropriate coating thickness on the solder resist after curing is 10-15um, Coating more than the said value may cause lower adhesion, chemical resistance and pencil hardness.
- 5、As curing condition is variable depending on the type of lamps and the intensity of radiation, set it suitable to your process after testing. Curing condition out of the specified tolerance range may deteriorate the properties of resist coating.
- 6、For cleaning ink jet head, please use our special leaner.

This information is only the results from our laboratory, not as a guarantee. The suitable condition, need to consult technical data, to be your company carry out confirmation, to be determined.