

Product Information

KC-11 is high-precision etching resist screen printing circuit ink for alkaline etching solution. It applies to single and double-sided boards for making thin and intensive circuits. It has good screen printing adaptability. It has excellent self-drying and good adhesion with resistance to ammonia chemicals.

KS-11 has a long shelf-life, pot life, and excellent stability in colour and remains constant throughout the processing operation.

Product Specification

Item / Property	Features/Specific Value	Notes/Remark
Colour	Black/Blue	
Fineness	$\leq 10\mu\text{m}$	0~25 μm Fineness gauge
Screen Mesh	100T-120T	As per Requirement
Curing	$80\pm 5^{\circ}\text{C}$ (10-15 min)	
Etching Resistance	Suitable for CuCl and alkaline etching	
To remove the ink	3% - 8% of NaOH	
Environment standard	RoHS	SGS Testing
Packaging	1 Kg, 5 Kg, 20 Kg.	According to customer requirements
Shelf life	12 months since the date of manufacture	Store below 25°C Avoid direct light

Attention:

1. If the ink needs to be diluted please use a Special solvent. We will also offer you a special diluent or DPM if the ink needs diluting.

2. The values above are based on experiments in our lab. Experiments need to be carried out in order to get the proper use condition.

Directions of use:

1. Pre-treatment

Rinse and Scrub the sheets before printing. There should be no any distortion or any impurity on the sheets. It should be effect on final result

2. Screen Printing

For Printing, we recommended using 100T-120T Polyester Screen cloth for fine and clear printing. The optimal post-drying coating thickness required over conductor is 10 to 12µm.

3. Drying

For Box Oven

80±5°C for 10~15 min.

For Conveyor Oven

150±5°C for 5~7 min.

(The values above are based on experiments in our lab. Experiments need to be carried out in order to get the proper use condition.)

4. Etching

Etching of copper chloride for period of 40-60 sec. with conveyor speed:

4.0– 4.5 m/min with the spray pressure of etching will 1.5 – 2.5 kg/cm².

5. Coating Removal

Concentration of solution NaOH: 3% - 8%.

Operating Condition:

- Always work in a clean room
- Avoid contact of dust with the ink
- Working temp. 22°C to 26°C

Storage:

- Store in a cool and dry place with good ventilation and without exposure to direct sunlight
- Recommended storage temperature is below 25°C