



# Silk Screen Inks

## Products Information

[www.sabinecolors.com](http://www.sabinecolors.com)



## ETCH RESIST INK BLUE (EBI-120)

### PROPERTIES

Etch Resist Blue (EBI-120) which is commonly known as Circuit Blue is designed for the use as etching resist in printed circuit industry. The air / thermal dried polymer shows a semi-matt finish.

Excellent adhesion on rigid copper laminates.

Resistance to most common acid etching solutions like ferric chloride, cupric chloride, ammonium persulphate.

Easy stripping of processed prints in 2-4% aqueous alkali such as sodium hydroxide at 30 ° to 40 ° C.

Excellent print definition.

### SURFACE PREPARATION:

The surface of the board should be pre-cleaned before the application of the etch resist for achieving the best etch-resistance property. Grease, stains, oxides and other contaminants must be completely removed by chemical or mechanical abrasion to obtain satisfactory adhesion.

### PRINTING CONDITIONS:

It is recommended that monofilament polyester mesh of 100-120 threads/cm. be used to achieve ink film thickness of 12-18 microns for getting the best etch resist property. To achieve this thickness, stencil film or direct emulsion of 10-micron thickness is recommended.

A medium hard (60-65 shore) Polyurethane squeegee is recommended.

The etch resist can be printed on manual, semi-automatic and fully automatic screen-printing machines.

### DRYING:

The etch resist can be dried at room temperature of about 25-30 ° C for 2-4 hours or can be dried in a convection oven at 80-100 ° C for 15-20 minutes with good air circulation.

### THINNER:

THINNER NO.13019 or 13018 5-15%

### CLEANING OF SCREEN:

CLEANER NO. 2940

### SHELF-LIFE AND STORAGE:

When stored in a closed container at the prolonged skin contact should be avoided as irritation could be caused to operators who have sensitive skin.