



# Silk Screen Inks

## Products Information

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



## PX Series – POXY 2 pats Ink

### PROPERTIES

POXY Series of screen ink is a 2-pot system, exhibits high gloss, chemical resistance and good adhesion when the print undergoes a mild stoving schedule. Catalyzed ink is highly recommended for finishing where excellent is demanded, with outstanding resistance to many chemicals and solvents and excellent adhesion to a wide range of difficult to adhere to substrates, such as metal (including aluminum, copper, brass, tin coated metal and iron), glass, ceramic, plastic, mirror, Bakelite, Formica, Acrylic, Polyethylene (PE), pretreated Polypropylene (PP), Nylon and some Polyester. PX is suitable for printing outdoor displays which require long term weather stability.

### Application

Pre – treated \*PE and PP, Metal, Ceramic, Non-porous substrate, incl. Conventional Glass, Treatment level required at least 38 dynes / cm.

### Thinning and Cleaning

- Stir well before use.
- Poxy inks should be thinned 5-10% with Thinner SWT139S before printing.
- Slow Retarder SPX17 can be used to make the ink dry more slowly when printing in a warm room or when using screens with high mesh counts.
- Cleaner SWT139S should be used to clean PX from the screen. For heavy ink stains, Screensolve can be used.

### Drying

Surface dry	30-32 c	60 minutes
Total dry	30-32 c	90 minutes
(For overprinting)	80-100 c	3-4 minutes
Mar resistance	80-100 c	5-7 minutes
1	20 c	3-5 minutes

### Coverage

Approximately 45-50 square meter per liter of ink with 120 threads / cm. mesh count monofilament polyester or nylon and 10% dilution.

### Stencils

- PX can be printed through any type of mesh, but for the best printing results it is recommended that monofilament P90-48 to P120-34 or stainless steel mesh (230 -325 mesh count/inch) be used, depending on the detail required.
  - PX can be printed through a variety of solvent resistant stencils, such as Diazol PU(220), Diazol (S42) & Polyzol Plus (DE422) Direct émulsion.
  - 1Kg of ink will print an area of 20-26 m<sup>2</sup> through a P110-34 mesh.
  - A snap distance of about 2-3 mm is required for a good release of the print from the screen.
- Due to the wide range of substrates available, it is advisable that the ink be tested fully prior to printing.

### Precautions

Due to variations in quality and type of substrate, pre-testing by user is recommended. Mix only the quantity required by the proportion recommended (9 : 1 : Ink : PX Hardener). Pot life of mixture is only 6-8 hours. Multi-color printing should be completed within 24 hours without re-treating the substrate.

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