

PC 701

PHOTOPOLYMER
EMULSION

USER GUIDE

SENSITIZED PROPERTIES:

- Appearance: Blue
- Solids: 51%
- Viscosity: 11,000 CPS
- Shelf Life: 24 Months
- Wt. per gallon: 9 lbs.
- Freeze/Thaw Stable: No

APPLICATIONS:

- Textile printing

COMPATIBLE WITH:

- Plastisol inks
- UV

STANDARD SIZES:

- 28 ounces, 1 gallon, 5 gallon, 50 gal. drum

PERFORMANCE PROPERTIES:

- High solids
- Extremely fast exposure
- Versatile - produces halftone and line art,
- Fast drying
- Excellent leveling for low Rz values
- Excellent mesh bridging
- Easy development
- Balanced color for easy inspection and easy on-press registration
- Extended shelf life
- High durability for long print runs
- One-part formula does not require sensitizer addition

FOR TECHNICAL SERVICE

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PC 701 INSTRUCTIONS

DEGREASE

Using Degreaser 260 mesh degreaser work up a lather on both sides of the mesh. Flood screen and frame thoroughly with water,

COAT

Slowly apply first coat to the print side. Then coat squeegee side with one coat. Always end coating on the squeegee side of the screen.

DRY

Thoroughly dry the screen in a horizontal position, print side down, using a totally dark, clean drying cabinet. Temperatures should not exceed 110°F (42°C).

EXPOSE

Place emulsion side of the positive onto the print side of the screen. Exposure of PC 701 is very short. Do a step exposure for obtaining the correct exposure time. Or use the Chromaline Exposure Calculator. See exposure guidelines below.

DEVELOP

Gently spray both sides of screen with lukewarm water, wait 30 seconds then gently wash print side of the screen until the image is fully open. Rinse both sides thoroughly. Dry completely.

RECLAIM

Apply Reclaimer 660 to both sides of the screen using a soft nylon bristle scrub brush. Scrub both sides of the screen and let it dissolve the emulsion. Pressure wash the entire screen on both sides. Apply more reclaimer if needed. Do not let the reclaimer dry on the screen. Always keep the stencil wet until the emulsion is completely removed from the mesh.

EXPOSURE GUIDELINES

110 YELLOW MESH	230 YELLOW MESH	305 YELLOW MESH
1 x 1	1 x 1	1 x 1
5KW @ 40" 20 - 30 sec	5KW @ 40" 15 - 20 sec	5KW @ 40" 10 - 15 sec
1KW @ 40" 75 - 90 sec	1KW @ 40" 30 - 60 sec	1KW @ 40" 25 - 35 sec
BL Tubes @ 4" 80 - 90 sec	BL Tubes @ 4" 45 - 60 sec	BL Tubes @ 4" 20 - 30 sec

Note: Exposure times are suggested only as a guide. Use the step exposure method to determine the optimal exposure time. Individual exposure times may vary depending upon equipment used, bulb age, and other shop conditions.