

# Pro/Cap®

## Pro/Cap

Printers will appreciate its workhorse durability for demanding print runs, and its user friendly convenience. Pro/Cap films maintain quality imaging on even the longest print runs. Available in both rolls and custom cut sheets.

- Pre-sensitized diazo capillary film
- Superior film penetration and adhesion
- Economically Priced
- Compatible with plastisol and solvent based inks
- High edge definition
- Reliable durability



### MATERIALS REQUIRED

Exposure unit  
Washout sink  
Clean work area

### RECOMMENDED

Drying cabinet  
Pressure washer  
Exposure Calculator

### CHEMICALS REQUIRED

Chroma/Clean™  
mesh degreaser

Chroma/Strip™  
screen reclaimer

### RECOMMENDED

Chroma/Fill™  
screen blockout

Chroma/Set™  
stencil hardener

Chroma/Wet™  
wetting agent

### SAFETY AND HANDLING

There are no hazards associated with this product when used within reasonable standards of industrial hygiene and safe working practices. Refer to SDS for further information.

### STORAGE

Pro/Cap films should be stored at room temperature and should not be stored at temperatures above 80°F (27°C) or below 32°F (0°C).

Pre-Sensitized Pro/Cap films are light sensitive. Open under yellow or subdued lighting. Storage recommendation: Unexposed film should be sealed in original container.

Coated, unexposed screens can be stored up to one month in a clean, dry and completely dark area.

SIZE/THICKNESS	MESH COUNT	APPLICATION
Pro/Cap 15 (0.6 mil/15mm)	380 & finer, 150cm	Primarily UV printing and fine halftones.
Pro/Cap 18 (0.7 mil/18mm)	380 & finer, 150cm	Standard UV printing, halftones and delicate line work.
Pro/Cap 25 (1 mil/25mm)	305 & finer, 120cm	Large dot halftones, fine graphics/decals, heavier deposit UV printing.
Pro/Cap 30 (1.2 mil/30mm)	305 & finer, 120cm	Large dot halftones, fine graphics/decals, heavier deposit UV printing.
Pro/Cap 38 (1.5 mil/38mm)	200 - 305, 78-120 cm	General graphics printing, soft hand textile and halftones in textiles.
Pro/Cap 50 (2 mil/50mm)	200 & coarser, 78cm	General textile printing, solder mask for circuit boards, specialty graphics.



## Chromaline Screen Print Products

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# Pro/Cap



## INSTRUCTIONS

### DEGREASE

Work up a lather on both sides of mesh to degrease. Be sure to use only a high-quality mesh degreaser, such as Chroma/Clean designed specifically for this purpose. Rinse thoroughly.

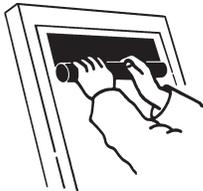


### WET

Capillary films require a thoroughly wet screen. With the screen in a vertical position, paint Chroma/Wet wetting agent onto the print side of the screen. (Use a separate brush just for this step.) Wait a moment, then flood entire screen with a garden type hose.

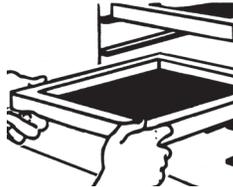
### ROLL-DOWN

Cut the film to size and roll it up, emulsion side out. Reflood the screen with water and attach the roll of film to the top of the print side of the screen. With slight pressure roll the film down until the entire piece is in contact with the mesh. Use a window squeegee to remove excess water from squeegee side only.



### DRY

Thoroughly dry the screen in a dark area, then remove the carrier. You will know the film is dry when the carrier peels off easily. If the carrier makes any noise when being pulled off, or resists being pulled off, additional drying time is needed. Do not exceed high temperatures of 110°F (43°C).



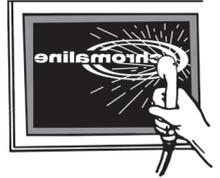
### EXPOSE

With polyester carrier peeled off, place the emulsion side of the positive against the print side of the screen in an exposure frame. Run an exposure test to determine your correct exposure. (See guide at right.)



### DEVELOP

Gently spray both sides of the screen with lukewarm water. Wait approximately 30 to 60 seconds, then wash the print side of the screen until the image is fully open. Rinse both sides thoroughly. Dry the screen completely, and you are ready to print.



### RECLAIM

Apply Chroma/Strip screen reclaimer to both sides of screen. Scrub with a stiff nylon brush to ensure entire surface is wet and let it work for 30 to 60 seconds. Pressure wash out.



### EXPOSURE GUIDELINES

Exposure times were determined by using the Chromaline Exposure Calculator. Exposure times were set for a 5KW unit at 40" from the frame. All screen mesh was yellow in color.

Chromaline recommends use of an exposure calculator for correct times for your equipment. These figures are only a guide.

FILM THICKNESS	TIME
Pro/Cap 15	32-42 sec.
Pro/Cap 18	36-48 sec.
Pro/Cap 25	45-60 sec.
Pro/Cap 30	50-65 sec.
Pro/Cap 38	65-85 sec.
Pro/Cap 50	90-120 sec.

### ADDITIONAL TIPS

#### FOR INCREASED RESISTANCE TO HUMIDITY

Chroma/Set stencil hardener keeps presses running during periods of high temperature and high humidity. This easy to apply liquid produces dramatic results.

For Technical Service  
Call Toll Free **1-800-328-4261**  
(Outside North America Call **+1-218-628-2217**)  
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