

# SUPER PHAT

Presensitized film for applications requiring heavy ink deposits.

## SUPER PHAT

SUPER PHAT film works well for textile printers working with high density and special effects inks. Electronics and industrial printers will appreciate SUPER PHAT film's ability to accomplish extreme stencil build-up.

- Fast exposures with excellent image quality
- Ease of washout
- Excellent build-up
- Fast drying— with no “orange peel” effect
- Transparent for easy registration
- Extremely fast screen turn-around
- Increased humidity resistance
- For use with plastisol, UV or solvent based inks



### MATERIALS

#### REQUIRED

Exposure unit  
Washout sink  
Clean work area  
Laminating emulsion

#### RECOMMENDED

Fan or drying cabinet  
Pressure washer (min. 1000 psi)  
Printing squeegee  
Build-up board

### STANDARD SIZES

SUPER PHAT films are available in 100, 150, 200, 250, 300, 400 and 700 micron thicknesses. Consult your dealer for availability of sheet and roll sizes.

### STORAGE

SUPER PHAT film should be stored in its original container between 80°F (27°C) and 32°F (0°C). Coated, unexposed screens can be stored up to one month in a clean, dry and completely dark area. Cut sheets must be stored flat to avoid wrinkling.

### CHEMICALS

#### REQUIRED

Chroma/Clean™  
mesh degreaser  
Chroma/Strip™  
screen reclaimer

#### RECOMMENDED

Chroma/Fill™  
screen blackout

### This product must be used with a laminating emulsion.

For best results, use a Chromaline emulsion such as Magna/Cure UDC-ACE or UDC-HV. Consult emulsion user's guide for instructions and product specifications.

### SAFETY AND HANDLING

This material is not hazardous when used within reasonable standards of industrial hygiene and safe working practices. Refer to SDS for further information.

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## 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.



### PREPARE LAMINATING EMULSION

Stir or mix laminating emulsion according to instructions on emulsion user guide. If using diazo-based emulsion, let stand at least two hours before using.

### PREPARE FILM

Cut the SUPER PHAT film to size, then remove the protective cover sheet. The purpose of the cover sheet is to help intercept dust, fingerprints and other debris that could potentially cause pinholes. *TIP:* The protective cover sheet can be easily removed from the film by using tape. Simply apply a piece of tape to the corner of the side that has a duller appearance. Then, gently pull the sheet from the film's emulsion side.



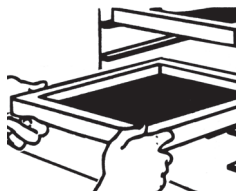
### COAT

Using the Direct/Indirect method, mount the film using a build-up board. Pour a bead of emulsion at one end of the screen. Using a round edge medium durometer squeegee, coat emulsion across the screen. Repeat coating up to 3 times.



### DRY

Thoroughly dry the screen using a dark, clean drying cabinet, 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. Temperature should not exceed 110°F (43°C). Drying time will be approx. 1 1/2 hours. Thicker SUPER PHAT will take longer to dry.



### EXPOSE

Place emulsion side of photopositive in contact with print side of screen. Refer to the chart below for suggested exposure times.



### EXPOSURE GUIDELINES

Note: Exposure times are suggested only as a guide. Perform a step test to determine proper exposure times. Individual exposure times may vary depending upon equipment used, bulb age, and other shop conditions.

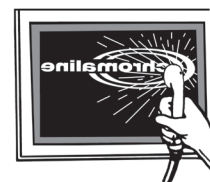
FILM THICKNESS	TIME
100	50 sec.
150	100 sec.
200	150 sec.
250	200 sec.
300	230 sec.
400	300 sec.
700	550 sec.

Exposure times were set for a 5KW unit at 40" (1 meter) from the frame using yellow mesh.

\*For additional processing methods and information, contact Chromaline for an interactive cd.

### DEVELOP

Wet both sides of screen. Begin development with high pressure washer spray on print side, until image is fully open. Typical washout can range from 2-4 minutes. NOTE: Thicker films and certain artwork may require additional washout time.



### DRY

Once development is completed, place the stencil into the drying cabinet for approximately 15 minutes or until the stencil turns from milky white to clear. Stencil must be completely dry prior to printing.

### RECLAIM

Reclaim by applying Chroma/Strip screen reclaimer to the squeegee side of screen. Scrub area to be reclaimed with a stiff nylon brush to ensure entire surface is wet and let it work a few moments until stencil begins to dissolve. With a high pressure washer, spray the squeegee side of stencil. Discard any solid waste in the garbage.



PRINT WITH CONFIDENCE

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**WARNING:** This product can expose you to chemicals including benzophenone, which is known in the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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