

Razor®

Razor Film

- Pure Photopolymer — Extended Shelf Life
- Wide Exposure Latitude
- Great Solvent Resistance
- Excellent Adhesion to a Variety of Meshes including Polyester and Stainless
- Non-blocking
- Superior Imaging
- Very fine line and halftone printing
- Compatible with Solvent and UV inks



CHROMALINE PHOTOPOLYMER FILM

MATERIALS REQUIRED

Exposure unit
Washout sink
Clean work area

RECOMMENDED

Drying cabinet
Pressure washer
Chromaline 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

Razor 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). Film degrades quickly if stored above 110°F.

Pre-Sensitized Razor 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.



www.chromaline.com
(800) 328-4261

WARNING: This product can expose you to chemicals including benzophenone, which is known in the State of California to cause cancer, and toluene, which is known in the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

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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.

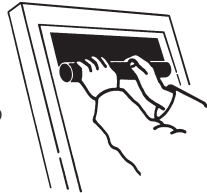


WET

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.

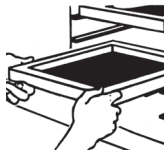
ROLL-DOWN

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 the 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).



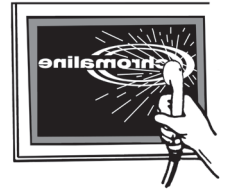
EXPOSE

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 soft nylon bristle 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	Color
15 micron	10 - 40 sec.	Green
18 micron	15 - 45 sec.	Green
25 micron	20 - 50 sec.	Red & Green
40 micron	40 - 70 sec.	Red

Mesh Selection

15 micron — use 380 and finer
 18 micron — use 355 and finer
 25 micron — use 305 and finer
 40 micron — use 230 and finer

For Technical Service
 Call Toll Free **1-800-328-4261**
 (Outside North America Call **+1-218-628-2217**)
 Email: **help@chromaline.com**