RAZOR®
CAPILLARY FILM

Razor Capillary Film is a pure-photopolymer capillary film ideal for both textile and graphic printing industries. Razor Film can be used as a capillary film or it can be easily laminated with any Chromaline textile emulsion. Razor Film is fast, clean and consistent!

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

High Detail

Razor's fine line and halftone capabilities make it ideal for textile and graphic-printing industries

CHEMICALS

REQUIRED

Chroma/Wet™ *iSC*
degreaser / adhesion promoter

Chroma/Strip™ *iSC*
ready-to-use stencil remover

RECOMMENDED

Chroma/Fill™ Red *iSC*
permanent screen blockout

Chroma/Last *iSC*
stencil hardener

MATERIALS

REQUIRED

Exposure unit
Clean work area
Washout sink

RECOMMENDED

Drying cabinet
Pressure washer
Exposure calculator

SAFETY AND HANDLING

Razor Film should be handled like any other capillary film. This material is not hazardous when used within reasonable standards of industrial hygiene and safe working practices. Refer to the SDS for further information.

STORAGE

Razor Film 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.

Presensitized Razor films are light sensitive. Open under yellow or subdued lighting. Storage recommendation: Unexposed film should be sealed in its original container.

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

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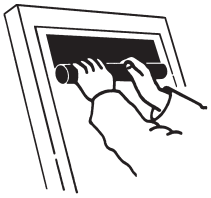
INSTRUCTIONS

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/Wet iSC 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 iSC 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.

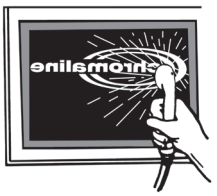
ROLL-DOWN
Cut the film to size and roll it up emulsion side out. Reflood the screen with water and attach the roll of film to the top of the print side of the screen. With slight pressure, roll the film down until the entire piece is in contact with the mesh. Use a window squeegee to remove excess water from the squeegee side of the screen 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 the 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 iSC screen reclaimer to both sides of the screen. Scrub with a soft nylon bristle brush to ensure the entire surface is wet and let it work for 30 to 60 seconds. Rinse thoroughly with a pressure washer.

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 the 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.	Blue
18 micron	15 - 45 sec.	Blue
25 micron	20 - 50 sec.	Red & Blue
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

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