

# RAZOR™ 8X

## Super-Fine Emulsion

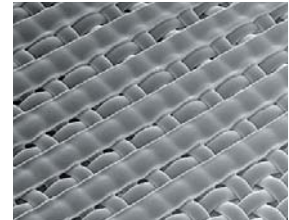
### RAZOR™ 8X

RAZOR™ is different—a true cut above. Based on newly developed technology, RAZOR™, with ultra-fine particle size, is specifically engineered to accommodate *extremely fine imaging and sharp line edges.*

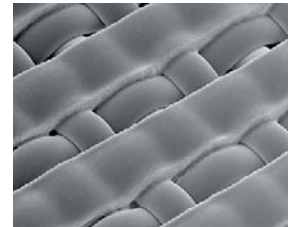
- Small particle size
- Superb line edge definition
- Excellent resolution capabilities
- Ultra-fine image duplication
- Minimal squeegee drag
- Non-oily
- Low odor
- Wide exposure latitude

*RAZOR™ comes in two viscosity levels—RAZOR™ 8X and RAZOR™ 12X, referring to moderate and super-high viscosity, respectively. The products share the features noted and both accommodate solvent, UV and plastisol ink applications.*

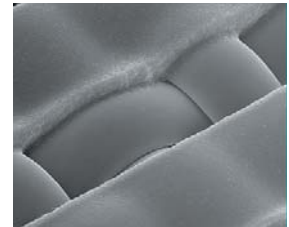
200 x Magnification



500 x Magnification



1000 x Magnification



#### MATERIALS

##### REQUIRED

Exposure unit  
Washout sink  
Clean work area  
Scoop coater

##### RECOMMENDED

Drying cabinet  
Pressure washer  
Chromaline Exposure  
Calculator

#### CHEMICALS

##### REQUIRED

Chroma/Clean™  
mesh degreaser

Chroma/Strip™  
screen reclamer

##### RECOMMENDED

Chroma/Haze™  
haze remover

Chroma/Brade™  
mesh abrader

#### SAFETY AND HANDLING

Avoid contact with skin and eyes.  
Refer to MSDS for further information.

#### SPECIFICATIONS

Appearance: Blue  
Exposure: See Back

Solids: 29-31% (Sensitized)  
Viscosity: 6,000 - 8,000 cps (Sensitized)  
Standard Sizes: Quart, Gallon, 3.5 Gal., 50 Gal. Drum

#### STORAGE

**Sensitized Razor<sup>8X</sup> emulsion** has a shelf life of 4 to 6 weeks at room temperature (60 to 80°F) or longer when refrigerated. To maximize sensitized shelf life use only distilled water to dissolve diazo sensitizer.

**Protect from freezing.** Razor<sup>8X</sup> is not freeze/thaw stable. Freezing during shipping may result in clear gel spots which may resemble pinholes.

**Coated, unexposed screens** can be stored as long as one month in a clean, cool, dry and completely dark area.

**Expiration date.** Always check the expiration date on sensitizer bottle to assure freshness.



### Chromaline Screen Print Products

4832 Grand Ave. • Duluth, Minnesota 55807 • Tel: 218-628-2217 • Fax: 218-628-3245  
Web Site: [www.chromaline.com](http://www.chromaline.com) • E-mail: [sales@chromaline.com](mailto:sales@chromaline.com)

# Razor™ 8X



## INSTRUCTIONS

### DEGREASE

Using Chroma/Clean™ mesh degreaser, work up a lather on both sides of mesh. Flood screen and frame thoroughly with water, then dry.



### MIX

Mix emulsion and sensitizer according to instructions on bottle. Let emulsion stand at least two hours before using. **FOR BEST RESULTS:** Always stir emulsion before use. Contents may settle over long periods of time. Gentle stirring will ensure that the emulsion is properly mixed.

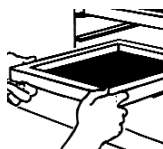
### COAT

Fill scoop coater with room temperature emulsion. Slowly apply first coat to print side. Then coat squeegee side with one to three coats depending upon thickness required. If thicker stencil is required, additional coats may be applied to print side after initial drying of stencil. Be sure to dry thoroughly between coats.



### DRY

Thoroughly dry screen in horizontal position, print side down, using a dark, clean drying cabinet. Temperature should not exceed 110°F (43°C).



### EXPOSE

Place emulsion side of photopositive in contact with print side of screen.



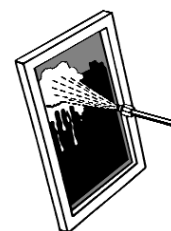
### DEVELOP

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



### RECLAIM

Apply Chroma/Strip™ screen reclaimer to both sides 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. Remove stencil residue with pressure washer, then rinse with water, thoroughly flooding screen and frame.



### EXPOSURE GUIDELINES

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

### SUGGESTED MINIMUM

Exposure Guidelines

Mesh	Time	mj/cm <sup>2</sup>
158 mesh TPI (62 cm)	120 - 160 sec.	204 - 272
230 mesh TPI (90 cm)	40 - 100 sec.	68 - 171
305 mesh TPI (120 cm)	25 - 50 sec.	43 - 85

Exposure times were determined by using the Chromaline Exposure Calculator and the Chromaline UV Minder. Exposure times were set for a 5KW unit at 40° from the frame. All screen mesh was dyed. Screens were coated wet on wet, once on print side and twice on squeegee side.

**AVOID FAILURE:** Dual cure emulsions have a very wide exposure latitude. Underexposed stencils often appear acceptable, but premature breakdown can occur on the press. When determining exposure speed, always overexpose your test stencil. Then, using the Chromaline exposure calculator, reduce exposure time until acceptable image quality is achieved. This will help assure good durability.

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