

RAZOR™

F U S I O N

super-fine convertible emulsion

RAZOR™ FUSION

RAZOR™ FUSION, with ultra-fine particle size, is specifically engineered to accommodate extremely fine imaging and sharp line edges.

Super-Fine Convertible Emulsion

- As a pure photopolymer emulsion RAZOR™ FUSION provides the fastest-possible exposure time.
- For improved solvent and moisture resistance, add diazo to **convert** RAZOR™ FUSION to a dual-cure emulsion for maximum stencil durability.

RAZOR™ FUSION accommodates solvent, UV and plastisol ink applications.

Contact Chromaline today for more information or to schedule a side-by-side, competitive demonstration. Ask about the price and be pleasantly surprised.

RAZOR™ FUSION emulsion, from Chromaline Screen Print Products. Sharp is good.

MATERIALS

REQUIRED

Exposure unit
Washout sink
Clean work area
Scoop coater

RECOMMENDED

Drying cabinet
Pressure washer
Exposure Calculator

CHEMICALS

REQUIRED

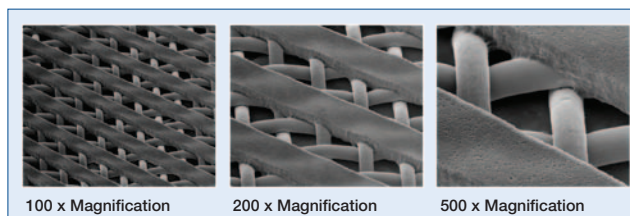
Chroma/Clean™
mesh degreaser
Chroma/Strip™
screen reclaimer

RECOMMENDED

Chroma/Haze™
haze remover
Chroma/Brade™
mesh abradar

SAFETY AND HANDLING

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



100 x Magnification

200 x Magnification

500 x Magnification

RAZOR™ FUSION FEATURES INCLUDE

- Convertible: May be used as pure photopolymer or dual-cure emulsion
- Small particle size
- Superb line edge definition
- Excellent resolution capabilities
- Ultra-fine image duplication
- Minimal squeegee drag
- Non-oily
- Low odor
- Fast exposing
- Increased durability can be achieved by using with Chromaline diazo (*sold separately*)

SPECIFICATIONS

Appearance: Blue
Exposure: See Back
Solids: 31%
Viscosity: 15,000 cps
Standard Sizes: Gallon

STORAGE

RAZOR™ FUSION shelf life is 24 months when stored at room temperature. RAZOR™ Fusion should not be stored at temperatures above 80°F (27°C) or below 32°F (0°C). For best results, RAZOR™ FUSION super-fine convertible emulsion should be stored in its original container. If diazo is added, the sensitized shelf life is 4-6 weeks.

Protect from freezing. RAZOR™ FUSION 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.



An **IKONICS** Company

Chromaline Screen Print Products

4832 Grand Ave. Duluth, Minnesota 55807 USA **Tel** 218-628-2217

Fax 218-628-3245 **Web** www.chromaline.com **E-mail** sales@chromaline.com

ISO 9001 Certified

NASDAQ Listed: **IKNX**



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

IF USING WITH DIAZO, 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.

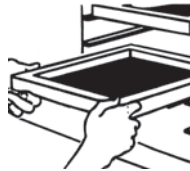
COAT

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 (when used without diazo)

Mesh	Time
156 mesh	10 - 45 sec.
230 mesh	7 - 40 sec.
305 mesh	5 - 20 sec.
380 mesh	2 - 14 sec.

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: 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**