RAZOR™ FUSION

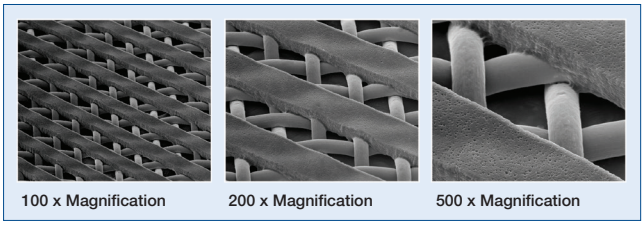
super-fine convertible emulsion

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 triple-cure emulsion for maximum stencil durability.
- For use with solvent, UV and plastisol ink.



RAZOR FUSION FEATURES INCLUDE

- May be used as pure photopolymer or triple-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

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

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

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.

SPECIFICATIONS

Appearance:	Blue
Solids:	31%
Viscosity:	15,000 cps

STANDARD SIZES

Gallon

STORAGE

RAZOR FUSION emulsion 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. If diazo is added, the sensitized shelf life is 4-6 weeks.

Protect from freezing. RAZOR FUSION is not freeze/thaw stable.

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Work under yellow lights.

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.

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.

COAT

Fill scoop coater with room temperature emulsion. Slowly apply first coat to print side. Next, coat squeegee side with 1-3 coats depending upon thickness required. **For most art, a 1X1 coating will be optimal.** If a thicker stencil is required, apply additional wet-on-wet coatings from the squeegee side.

DRY

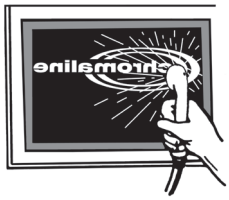
Dry screen thoroughly in horizontal position with print side down, using a completely clean and dark drying cabinet. Temperature should not exceed 110ºF (43ºC).

EXPOSE

Using the 10-Step Exposure Guide to determine proper exposure times for RazorFusion, place emulsion side of photopositive in contact with print side of screen. Accurate exposure is important for optimal results. *See exposure guidelines at right.*

DEVELOP

Gently spray both sides of screen with lukewarm 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 a high quality screen reclaimer, such as Chroma/Strip to both sides. Scrub area to be reclaimed with a stiff nylon brush to ensure entire surface is wet and let sit until stencil begins to dissolve. Remove stencil residue with pressure washer, then rinse with hose, thoroughly flooding screen and frame.

*Do not let reclaimer dry

EXPOSURE GUIDELINES

Note: Exposure times are suggested only as a guide. Individual exposure times may vary depending upon equipment used, bulb age, and other shop conditions. Suggested exposure times are as follows:

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. 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.

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