

CHROMA/TECH® SR

Diazo-free pure photopolymer direct emulsion for solvent based inks

CHROMA/TECH® SR

- No mixing
- Very fast exposing, fast drying
- Excellent imaging
- Ideal for demanding line and process definition

Chroma/Tech® SR for use with solvent, plastisol and UV inks. Ideally suited for printers using direct emulsions who are seeking faster screen turnaround without sacrificing imaging quality.



CHROMALINE PHOTOPOLYMER TEXTILE EMULSION

MATERIALS

REQUIRED

Exposure unit
Washout sink
Clean work area
Scoop coater

RECOMMENDED

Drying cabinet
Pressure washer

CHEMICALS

REQUIRED

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

RECOMMENDED

Chroma/Haze™
haze remover
Chroma/Fill™
screen blackout

SAFETY AND HANDLING

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

STANDARD SIZES

Quart, gallon, 3.5 gallon, 50 gal. drum
(Available in dyed formulation only)

SPECIFICATIONS

Appearance: Red
Viscosity: 4000-5000 CPS
Solids: Approx. 35% (no inert fillers)
Exposure: Very Fast (see reverse)
Other: Available upon request

STORAGE

For best results, Chroma/Tech® SR photopolymer direct emulsion should be stored in its original container at room temperature. This product should not be stored at temperatures above 95oF (35oC) or below 32oF (0oC). **Shelf life when stored at room temperature is 12 months.**



Chromaline Screen Print Products

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Chroma/Tech® SR



Exposure to yellow light should be kept at a minimum for all processes.

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.



COAT

Slowly apply first coat to print side. Then coat squeegee side with one to three coats depending upon thickness required. If thicker stencil is desired, additional coats may be applied to print side after initial drying of stencil. Dry thoroughly between coats.

Note:

- Chroma/Tech® SR is presensitized and requires no mixing.
- Keep pail covered when not in use.
- Return unused emulsion from scoop coater to pail as soon as possible. Emulsion dries quickly and will rapidly "skin over."

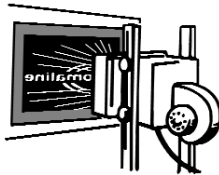


DRY

Thoroughly dry screen in horizontal position, print side down, using a totally 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. Exposure times for Chroma/Tech® SR are very short and 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 Chroma/Strip™ screen reclaimer to both sides of screen. Scrub with a stiff nylon brush to ensure entire surface is wet; let it work a few moments until stencil begins to dissolve. Remove stencil residue with pressure washer, then rinse with garden type hose, thoroughly flooding screen and frame.



EXPOSURE GUIDELINES

Note: Exposure times are suggested only as a guide. Use step exposure method to determine optimal exposure times. Individual exposure times may vary depending upon equipment used, bulb age, and other shop conditions. Exposure times below were set for 5KW unit at 40" from frame.

309 YELLOW POLYESTER MONOFILAMENT MESH

Coating Technique	Coater Edge	Suggested Min. Exp. Time
1X1	Round	20-25 sec. (107-135 mj/cm ²)
1X2	Round	25030 sec. (135-165 mj/cm ²)

305 YELLOW POLYESTER MONOFILAMENT MESH

Coating Technique	Coater Edge	Suggested Min. Exp. Time
1X1	Round	25-25 sec. (135-194 mj/cm ²)
1X2	Round	30-40 sec. (165-224 mj/cm ²)

230 YELLOW POLYESTER MONOFILAMENT MESH

Coating Technique	Coater Edge	Suggested Min. Exp. Time
1X1	Round	45-55 sec. (253-313 mj/cm ²)
1X2	Round	50-60 sec. (283-379 mj/cm ²)

* Exposure times were determined using the Chromaline UV Minder Radiometer Dosimeter and CHROMALINE EXPOSURE CALCULATOR.

For Technical Service
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