Chroma/Tech® SR

Diazo-free pure photopolymer direct emulsion for solvent based inks

USER'S GUIDE

MATERIALS

Required	Recommended
Exposure unit	Drying cabinet
Washout sink	Pressure washer
Clean work area	
Scoop coater	

CHEMICALS

Required	Recommended
Chroma/Clean™ mesh degreaser	Chroma/Haze™ haze remover
Chroma/Strip™ screen reclaimer	Chroma/Fill™ screen blockout

SPECIFICATIONS

Appearance:	red
Viscosity:	4000-4500 CPS
Solids:	approx. 35% (no inert fillers)
Exposure:	very fast (see reverse)
Other:	available upon request

Standard Sizes

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

SAFETY AND HANDLING

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

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 95°F (35°C) or below 32°F (0°C). **Shelf life when stored at room temperature is 12 months.**

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.

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Chroma/Tech SR

Instructions

Work under yellow lights

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

DEGREASE

Using Chroma/Clean™ mesh degreaser, work up a lather on both sides of mesh. Flood screen and frame thoroughly with garden type hose, 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:

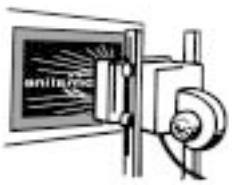
- Chroma/Tech® SR is presensitized and requires no mixing.
- Keep pail covered when not in use.
- Return unused emulsion from scoop coater to pail as soon as possible. Emulsion dries quickly and will rapidly "skin over".

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.

390 YELLOW POLYESTER MONOFILAMENT MESH

Coating Technique	Coater Edge	Suggested Min. Exp. Time	mj/cm²
1 X 1	Round	20-25 sec.	107-135
1 X 2	Round	25-30 sec.	135-165

305 YELLOW POLYESTER MONOFILAMENT MESH

Coating Technique	Coater Edge	Suggested Min. Exp. Time	mj/cm²
1 X 1	Round	25-35 sec.	135-194
1 X 2	Round	30-40 sec.	165-224

230 YELLOW POLYESTER MONOFILAMENT MESH

Coating Technique	Coater Edge	Suggested Min. Exp. Time	mj/cm²
1 X 1	Round	45-55 sec.	253-313
1 X 2	Round	50-60 sec.	283-379

FOR TECHNICAL SERVICE
Call Toll Free **1-800-328-4261**