chromaline SCREEN PRINT PRODUCTS

USER'S GUIDE

ChromaLime™

PURE PHOTOPOLYMER EMULSION

- **Optimized for LED and traditional UV exposure systems**
- **Very fast exposing**
- **Eliminates/greatly reduces sticking to film positives and exposure unit glass**
- **Non-tacky in high humidity conditions**
- **Improves resolution and definition**
- **Optimal translucency for easy registration and faster press setups**
- **Ideal for automated reclaim systems**
- **ChromaLime is best used with plastisol inks for textiles, achieving faster press setup and easier reclaimability.**

Premium Quality

ChromaLime emulsion provides tack-free humidity resistance and faster press setups.

CHEMICALS

REQUIRED

Chroma/Wet™ *iSC*
mesh degreaser

Chroma/Strip™ *iSC*
screen reclaimer

RECOMMENDED

Chroma/Fill™ Red *iSC*
screen blockout

MATERIALS

REQUIRED

Exposure unit
Clean work area
Washout area
Scoop coater

RECOMMENDED

Drying cabinet
Pressure washer
Exposure calculator

SAFETY AND HANDLING

ChromaLime emulsion should be handled like any other direct emulsion. This material is not hazardous when used within reasonable standards of industrial hygiene and safe working practices. Refer to SDS for further information.

STANDARD SIZES

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

SPECIFICATIONS

Appearance:	Lime Green
Viscosity:	7000 CPS
Solids:	40% (no inert fillers)
Exposure:	Very Fast (see reverse)

STORAGE

ChromaLime emulsion should be stored at room temperature and should not be stored at temperatures above 80°F (27°C) or below 32°F (0°C). ChromaLime emulsion should be stored in its original container.

Protect from freezing. ChromaLime is not freeze/thaw stable.

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PURE PHOTOPOLYMER EMULSION

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/Wet *iSC* designed specifically for this purpose. Rinse thoroughly.

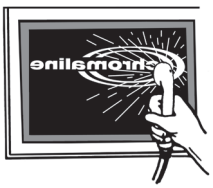
COAT
Fill scoop coater with room temperature emulsion. Slowly apply first coat to print side. Next, coat squeegee side with 1-3 coats depending upon thickness required. **For most art, a 1X1 coating will be optimal.** If a thicker stencil is required, apply additional wet-on-wet coatings from the squeegee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

Note:
- ChromaLime 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
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 ChromaLime, place emulsion side of photopositive in contact with print side of screen. Exposure times for ChromaLime 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 a high quality screen reclaimer, such as Chroma/Strip *iSC* 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:

QuickImage LED exposure system: 1x1 round edge coating
10-20 seconds on 110 white mesh
18-22 seconds on 110 yellow mesh

Exposure times below were set for 5KW unit at 40" from frame.

110 YELLOW POLYESTER MONOFILAMENT MESH

Coating Technique	Coater Edge	Suggested Min. Exp. Time
1X1	Round	30 sec.
1X2	Round	40 sec.
1X3	Round	50 sec.

230 YELLOW POLYESTER MONOFILAMENT MESH

Coating Technique	Coater Edge	Suggested Min. Exp. Time
1X1	Round	20 sec.
1X2	Round	25 sec.
1X3	Round	30 sec.

390 YELLOW POLYESTER MONOFILAMENT MESH

Coating Technique	Coater Edge	Suggested Min. Exp. Time
1X1	Round	15 sec.
1X2	Round	20 sec.
1X3	Round	25 sec.

* Exposure times were determined using the Chromaline Exposure Calculator.

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