

# Chroma/Tech® U-70

*High Density Universal Photopolymer Emulsion*

Chroma/Tech U-70 water-and solvent-resistant pure photopolymer emulsion is ideal for use with textile applications.

**Universal Textil Ink Capability:**

Designed for HSA water-based inks, plus plastisol and UV inks.

**Glitter/Crystallina Printing:**

Holds up through very coarse mesh for specialty effects.

**Fast Exposure at High Thickness:**

Exposes up to 10x faster than typical two-part emulsions.

## HIGH-BUILD STENCILS

High solids content (51%) with extreme viscosity (70,000 cPs) enable 1,000-micron thick stencils with simple wet-on-wet coating.



**CHEMICALS**

**RECOMMENDED**

Chroma/Wet™ iSC  
degreaser / adhesion promoter

Chroma/Strip™ iSC  
ready-to-use stencil remover

**MATERIALS**

**REQUIRED**

Exposure unit  
Clean work area

Washout area  
Scoop coater

**RECOMMENDED**

Pressure washer

**SAFETY AND HANDLING**

Chroma/Tech U-70 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**

Gallon, 50 gal. drum

**SPECIFICATIONS**

Appearance: Red  
Solids: 51%  
Viscosity: 70,000 CPS

**STORAGE**

Chroma/Tech U-70 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). For best results, Chroma/Tech U-70 emulsion should be stored in its original container.

**Protect from freezing.** Chroma/Tech U-70 is not freeze/thaw stable.

# CHROMA/TECH U-70 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.



### MIX

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

#### Manual Application:

Use a high-quality scoop coater or coating trough. Apply one or two coats to the substrate side of the screen. Apply one or two coats on the squeegee side. For a thicker stencil, add extra coats to the squeegee side before drying. For a high-quality stencil with a minimal increase in thickness, add one or two more coats to the substrate side after the initial coats have dried.

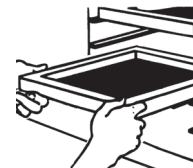


#### Automatic Coating Machines:

For general purpose printing, use the 1+2 coating program. Apply one coat on the substrate side and two coats on the squeegee side of the screen. For thicker stencils, change the machine program to 1+3, 1+4, etc., to apply additional coats on the squeegee side. For a high-quality stencil with controlled edge definition and without excessive emulsion build-up (EOM), use 1+1 initially and dry the screen. Apply additional 'wet on dry coats' with 1+1 or 2+2 program until the desired Rz value is achieved.

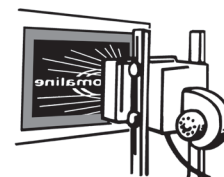
### DRY

Dry screen thoroughly in horizontal position with print side down, using a completely clean and dark drying cabinet. Temperature should not exceed 104°F (40°C). Relative humidity should not exceed 50%; lower RH provides faster drying and allows for more efficient curing.



### EXPOSE

Exposure tests must be performed to determine proper exposure times. Use the 10-Step Exposure Guide to determine optimal exposure times.



### 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



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help@chromaline.com | www.chromaline.com

Toll Free: (800) 328-4261

International: +1-218-628-2217

**WARNING:** This product can expose you to chemicals including Cupferron, which is known in the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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