

# DTS Z-1

## Photopolymer Emulsion

### DTS Z-1 PHOTOPOLYMER EMULSION

DTS Z-1 emulsion is designed for use with direct to screen applications. DTS Z-1 provides these additional benefits:

- Excellent mesh bridging
- Sharp image quality
- Resistance to UV and solvent inks

*DTS Z-1 direct emulsion allows screen makers to obtain good image quality and durable stencils.*



CHROMALINE PHOTOPOLYMER GRAPHIC EMULSION

#### MATERIALS

##### REQUIRED

Exposure unit  
Washout area  
Clean work area  
Scoop coater

##### RECOMMENDED

Pressure washer

#### CHEMICALS

##### RECOMMENDED

Chroma/Clean™  
mesh degreaser  
Chroma/Strip™  
screen reclaimer  
Chroma/Haze™  
haze remover

#### SAFETY AND HANDLING

DTS Z-1 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 MSDS for further information.

#### STANDARD SIZES

Gallon, 3.5 gallon, 50 gal. drum

#### SPECIFICATIONS

Appearance: violet  
Solids: 37-40%  
Viscosity: 5,000-10,000 CPS  
Other: available upon request

#### SPECIAL INSTRUCTIONS

Mild or screen safe chemicals are recommended to reduce potential for stencil lock-in.

#### STORAGE

DTS Z-1 emulsion has a shelf life of 24 months at room temperature (60° to 80°F).

**Protect from freezing.** DTS Z-1 is not freeze/thaw stable. Freezing during shipping may result in high viscosity and may cause the emulsion to become unusable.



www.chromaline.com

(800) 328-4261

**WARNING:** This product can expose you to chemicals including 1,4-dioxane, 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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## INSTRUCTIONS

### 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

Fill scoopcoater with room temperature emulsion. Slowly apply first coat to print side. Then coat squeegee side with one to three coats depending upon thickness required. If thicker stencil is required, additional coats may be applied to print side after initial drying of stencil. Be sure to dry thoroughly between coats.



### DRY

Thoroughly dry screen prior to exposure. Temperature should not exceed 110°F (43°C).

### EXPOSE

Exposure tests must be performed on the DTS Z-1 Machine to determine proper exposure times.

### DEVELOP

Gently spray both sides of screen with tepid 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 area to be reclaimed with a stiff nylon brush to ensure entire surface is wet and 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.



For Technical Service  
Call Toll Free **1-800-328-4261**  
(Outside North America Call +1-218-628-2217)  
Email: **help@chromaline.com**