

DTSTM 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, solvent and water-based inks

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



PHOTOPOLYMER GRAPHIC EMULSION

MATERIALS REQUIRED

Exposure unit
Washout area
Clean work area
Scoop coater

RECOMMENDED

Pressure washer

CHEMICALS RECOMMENDED

Chroma/CleanTM
mesh degreaser
Chroma/StripTM
screen reclaimer

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: 40%
Viscosity: 7,600 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 should be stored 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

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DTS Z-1 EMULSION



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

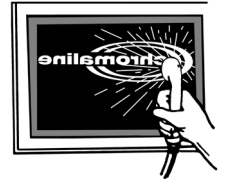
Thoroughly dry screen prior to exposure. Temperature should not exceed 110°F (43°C).

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**
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