MAGNACURE® UDC

GLIDE

DUAL CURE DIRECT EMULSION

Photopolymer dual cure direct emulsion for the broadest range of applications.

Magna/Cure® UDC-Glide

Glide dual cure emulsion is designed for the widest range of imaging applications. Glide provides these additional benefits:

- Excellent definition and line edge
- Highest buildup proud of mesh with low Rz values
- Low odor
- Less tacky
- Reduces squeegee wear

***Glide** direct emulsion allows screen makers to obtain remarkable image quality and exceptionally durable stencils.*

For use with solvent, UV and plastisol based inks.

MATERIALS

REQUIRED	RECOMMENDED
Exposure unit	Drying cabinet
Washout sink	Pressure washer
Clean work area	Chromaline Exposure Calculator
Scoop coater	

CHEMICALS

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

SAFETY AND HANDLING

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

SPECIFICATIONS

Appearance:	Blue
Exposure:	Fast (See Reverse)
Solids:	38% (Sensitized)
Viscosity:	5,500 cps (Sensitized)
Standard Sizes	Gallon, 3.5 Gal., 50 Gal. Drum

STORAGE

Sensitized Glide emulsion has a shelf life of 3 to 4 weeks at room temperature (60 to 80°F). To maximize sensitized shelf life use only distilled water to dissolve diazo sensitizer.

Protect from freezing. Glide is not freeze/thaw stable. Freezing during shipping may result in clear gel spots which may resemble pinholes.

Coated, unexposed screens can be stored as long as one month in a clean, cool, dry and completely dark area.

Expiration date. Always check the expiration date on sensitizer bottle and lot number on emulsion bucket to assure freshness.

chromaline® SCREEN PRINT PRODUCTS

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UDC-Glide

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.

MIX

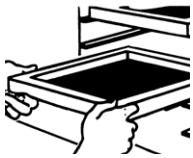
Mix emulsion and sensitizer according to instructions on bottle. Let emulsion stand at least two hours before using.

COAT

Fill scoop coater 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 in horizontal position, print side down, using a 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.

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.

EXPOSURE GUIDELINES

Note: Exposure times are suggested only as a guide. Use the Chromaline Exposure Calculator to determine optimal exposure times. Individual exposure times may vary depending upon equipment used, bulb age, and other shop conditions.

SUGGESTED MINIMUM EXPOSURE GUIDELINES

Mesh	Time	mj/cm^2
158 mesh TPI (62 cm)	60 - 90 sec.	379 - 556
230 mesh TPI (90 cm)	45 - 60 sec.	253 - 379
305 mesh TPI (120 cm)	30 - 45 sec.	165 - 253

Exposure times were determined by using the Chromaline Exposure Calculator and the Chromaline UV Minder. Exposure times were set for a 5KW unit at 40" from the frame. All screen mesh was yellow in color. Screens were coated wet on wet, once on print side and twice on squeegee side.

AVOID FAILURE: Dual cure emulsions have a very wide exposure latitude. Underexposed stencils often appear acceptable, but premature breakdown can occur on the press. When determining exposure speed, always overexpose your test stencil, then reduce exposure time until acceptable image quality is achieved. This will help assure good durability.

For Technical Service
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