MAGNA/CURE®
UDC-ACE

Maximum resistance dual cure emulsion for the broadest range of applications

MAGNA/CURE® UDC-ACE

UDC-ACE is a universal emulsion designed to offer excellent resistance in any imaging application. UDC-ACE offers the following benefits:

- Optimized for Automatic Coating Equipment
- Outstanding resistance to aggressive water and solvent based inks and adhesives
- Extreme durability; withstands long print runs
- Heat and humidity resistance
- Outstanding resolution and edge definition
- Easy reclaimability with high pressure

UDC-ACE emulsion is compatible with plastisol, water-based (including Discharge & HSA) inks as well as solvent cleaning.Available in dyed formulation only.

MATERIALS

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

CHEMICALS

REQUIRED

Chroma/Wet™ iSC
degreaser / adhesion promoter

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

SAFETY AND HANDLING

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

SPECIFICATIONS

Appearance:	Blue
Exposure:	Fast (see reverse)
Solids:	37% (sensitized)
Viscosity:	4900 cps (sensitized)
Standard Sizes:	Quart, Gallon, 3.5 Gal., 50 Gal. Drum

STORAGE

Sensitized UDC-ACE emulsion has a shelf life of 4 to 6 weeks at room temperature (72°F). To maximize sensitized shelf life use only distilled water to dissolve diazo sensitizer.

Protect from freezing. UDC-ACE is not freeze/thaw stable. Freezing during shipping may result in clear gel spots which may resemble pinholes or emulsion may appear lumpy.

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 to assure freshness.

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INSTRUCTIONS

DEGREASE

Work up a lather on both sides of mesh to degrease. Be sure to use only high-quality mesh degreaser, such as Chroma/Wet iSC designed specifically for this purpose. Rinse thoroughly.

MIX

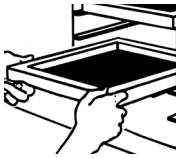
Mix emulsion and sensitizer according to instructions on bottle. Let emulsion stand at least two hours before using. FOR BEST RESULTS: Always stir emulsion before use. Contents may settle over long periods of time. Gentle stirring will ensure that the emulsion is properly mixed.

COAT

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.

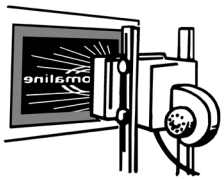
DRY

Thoroughly dry screen in horizontal position, print side down, using a dark, clean drying cabinet. Temperature should not exceed 110°F (43°C). Relative humidity should not exceed 50%; lower RH provides faster drying and allows for more efficient curing.



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™ iSC 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 water, 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
158 mesh TPI (62 cm)	50 - 80 sec.
230 mesh TPI (90 cm)	35 - 50 sec.
305 mesh TPI (120 cm)	25 - 35 sec.

Exposure times were determined using the Chromaline Exposure Calculator. 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, using the Chromaline Exposure Calculator, reduce exposure time until acceptable image quality is achieved. This will help assure good durability.

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

⚠ **WARNING:** This product can expose you to chemicals including Vinyl acetate, which is known in the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov