DC 521 DUAL CURE EMULSION

SENSITIZED PROPERTIES:

- Appearance: Blue
- Solids: 34%
- Sensitized Viscosity: 9000 CPS
- Shelf Life: 4 - 6 weeks.
- Freeze/Thaw Stable: No

APPLICATIONS:

- Textile – water based and plastisol inks
- PSAs – water, solvent and UV inks
- Graphics – water, solvent and UV inks

PERFORMANCE PROPERTIES:

- Universal photo emulsion for most inks and adhesives
- Resists solvent lock-in from lacquer thinner and mineral spirits
- Excellent durability to withstand long runs
- Easy reclaiming
- Wide exposure latitude
- Fast exposures
- Excellent leveling for low RZ values
- Excellent mesh bridging and resolution
- Balance color for easy registration and inspection
- High flexibility for low mesh tensions and high squeegee pressure

COMPATIBLE WITH:

- Solvent, UV, Water-based, and Plastisol inks

STANDARD SIZES:

- 28 ounces, 1 gallon, 5 gallon, 50 gal. drum

FOR TECHNICAL SERVICE

TOLL FREE: 1-800-328-4261
OUTSIDE NORTH AMERICA CALL: +1-218-628-2217
EMAIL: help@chromaline.com

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CHROMALINE SCREEN PRINT PRODUCTS
4832 Grand Ave. • Duluth, Minnesota 55807 • **TEL:** 218.628.2217
FAX: 218.628.3245 • **WEB SITE:** www.chromaline.com
E-MAIL: sales@chromaline.com

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DC 521 INSTRUCTIONS

DEGREASE
Using Degreaser 260 mesh degreaser work up a lather on both sides of the mesh. Flood screen and frame thoroughly with water.

COAT
Slowly apply first coat to the print side. Then coat squeegee side with one coat. Always end coating on the squeegee side of the screen.

DRY
Thoroughly dry the screen in a horizontal position, print side down, using a totally dark, clean drying cabinet. Temperatures should not exceed 110°F (43°C).

EXPOSE
Place emulsion side of the positive onto the print side of the screen. Do a step exposure for obtaining the correct exposure time or use an exposure calculator. See exposure guidelines.

DEVELOP
Gently spray both sides of screen with lukewarm water, wait 30 seconds then gently wash print side of the screen until the image is fully open. Rinse both sides thoroughly. Dry completely.

RECLAIM
Apply Reclaimer 660 to both sides of the screen using a soft nylon bristle scrub brush. Scrub both sides of the screen and let it dissolve the emulsion. Pressure wash the entire screen on both sides. Apply more reclaimer if needed. Do not let the reclaimer dry on the screen. Always keep the stencil wet until the emulsion is completely removed from the mesh.

EXPOSURE GUIDELINES

110 YELLOW MESH (43cm)	230 YELLOW MESH (90cm)	305 YELLOW MESH (120cm)
1 x 2	1 x 2	1 x 2
5KW @ 40” 1.5 - 2 min	5KW @ 40” .5 - 1.0 min	5KW @ 40” 20 - 30 sec
1KW @ 40” 6 - 9 min	1KW @ 40” 3.5 - 4.5 min	1KW @ 40” 3.0 - 3.5 min
Fluorescent 3 - 5 min	Fluorescent 2 - 3 min	Fluorescent 1 - 1.5 min

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