# CP2™

Diazo sensitized direct emulsion for use with solvent, plastisol and UV inks.



## CP2™

- Shoots fast with high resolution
- Durable, yet easily reclaimable
- Excellent solvent resistance
- Freeze/thaw stable

*Chromaline's economically priced, diazo based direct emulsion, CP2 is a dependable, hard working performer with a reputation for trouble-free screens.*

### MATERIALS

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

### CHEMICALS

**REQUIRED**

Chroma/Clean™
mesh degreaser

Chroma/Strip™
screen reclaimer

### SAFETY AND HANDLING

CP2 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.

### STANDARD SIZES

Quart, Gallon, 3.5 gallon, 50 gal. drum
(Available in clear or dyed formulations)

### SPECIFICATIONS

| | |
|---|---|
| Appearance: | Violet |
| Solids: | 21.3% |
| Viscosity: | 7,700 CPS |
| Exposure: | Fast (see reverse) |
| Other: | Available upon request |

### STORAGE

**Shelf life** for sensitized CP2 emulsion is 4 to 6 weeks at room temperature (66 to 70°F) or 2 - 3 months when refrigerated. To maximize sensitized shelf life use only distilled water to dissolve diazo sensitizer.

**Freeze/Thaw stability.** CP2 emulsion is freeze/thaw stable. In the event that it is frozen, let thaw, thoroughly re-mix and use.

**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

Using Chroma/Clean™ mesh degreaser, work up a lather on both sides of mesh. Flood screen and frame thoroughly with water, then dry.

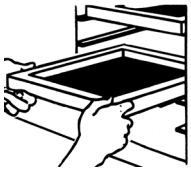
### MIX

Mix the emulsion and sensitizer according to the instructions on the bottle. To reduce air bubbles, let the emulsion stand at least 2 hours (preferably overnight) before using.

### COAT

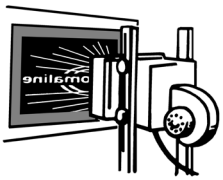
Begin with room temperature emulsion. Using a scoop coater, slowly apply the first coat to the print side. Then coat the squeegee side and dry. If a thicker stencil is required, additional coats may be applied to the print side. Dry thoroughly between coats.

### DRY



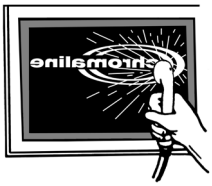
Thoroughly dry screen in horizontal position, print side down, using a totally dark, clean drying cabinet. Temperature should not exceed 110°F (43°C).

### EXPOSE



Place emulsion side of photopositive in contact with print side of screen. Exposure times for CP2 will vary depending on your setup. See exposure guidelines at right for estimated exposure times.

### DEVELOP



Gently spray both sides of screen with lukewarm water, wait 30 seconds then gently wash print side of the screen until image is fully open. Rinse both sides thoroughly and place in dryer to dry. 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 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 GUIDELINE

| 230 (90 cm) Yellow Mesh Coated 1x2 | |
|---|---|
| 5 KW @ 40 inches | 30 - 60 sec |
| 1 KW @ 40 inches | 1.5 - 3.5 min |
| Fl. Tubes @ 4 inches | 2.5 - 5.75 min |

Exposure times were determined by 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.

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



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