

CP2™

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

MATERIALS

Required

Exposure unit
Washout sink
Clean work area
Scoop coater

Recommended

Drying cabinet
Pressure washer

CHEMICALS

Required

Chroma/Clean™
mesh degreaser

Chroma/Strip™
screen reclaimer

Recommended

Chroma/Haze™
haze remover

Chroma/Fill™
screen blackout

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.

SPECIFICATIONS

Appearance: violet

Exposure: fast (see reverse)

Other: available upon request

Standard Sizes

Quart, gallon, 3.5 gallons, 50 gal. drum
(Avail. in clear or dyed formulations)

STORAGE

- **Expiration date.** Always check expiration date on sensitizer bottle to assure freshness.
- **Sensitized CP2** emulsion has a shelf life of 3-4 weeks at room temperature (66 to 70°F) or 2-3 months when refrigerated.
- **Coated, unexposed screens** can be stored as long as 2-3 months in a clean, cool, dry and completely dark area.

USER'S GUIDE

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.



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CP2™

Instructions

Work under yellow lights



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 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).



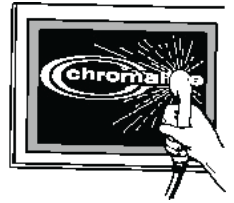
EXPOSE

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 with a stiff nylon brush to ensure entire surface is wet; 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 Chromaline Exposure Calculator to determine optimal exposure times. Individual exposure times may vary depending upon equipment used, bulb age, and other shop conditions.

LAMP	DISTANCE	EST. TIME
5 KW	42 in.	30-60 sec. (165-379 mj/cm ²)
3 KW	42 in.	95-220 sec. (165-379 mj/cm ²)
FL. Tubes	4 in.	150-345 sec. (165-379 mj/cm ²) (Blue/Black)

Diazo based CP2 works best with an exposing unit of high spectral output that peaks in the UV range of 350 to 420 nanometers (NM). 370 is optimal.

* Exposure times were determined using the Chromaline UV Minder Radiometer/Dosimeter.

We do not recommend grow lights.