

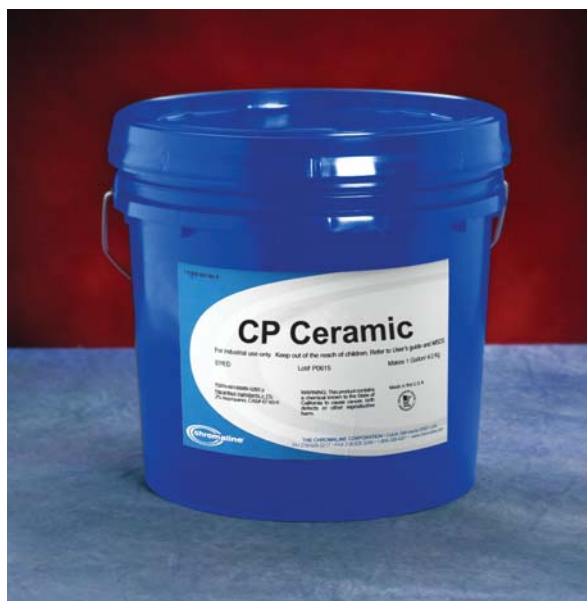
CP Ceramic

Diazo sensitized direct emulsion for use with water based and plastisol inks.

CP Ceramic

- Shoots fast with high resolution
- Extremely durable, yet reclaimable with high pressure washer
- Excellent water resistance
- High solids content (42% sensitized)
- Excellent coatability on a variety of mesh counts

CP Ceramic diazo based direct emulsion is easy to use with excellent resolution and high definition.



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 reclaimers

RECOMMENDED

Chroma/Haze™
haze remover

SAFETY AND HANDLING

CP Ceramic 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

Gallon, 50 gal. drum

SPECIFICATIONS

Appearance: light violet
Solids: 43.8% (before sensitized)
Exposure: fast (see reverse)
Other: suitable for standard water based inks

STORAGE

Expiration date. Always check expiration date on sensitizer bottle to assure freshness.

Sensitized CP Ceramic emulsion has a shelf life of 3-4 weeks when stored at room temperature.

Protect from freezing. CP Ceramic is not freeze/thaw stable. Freezing during shipping may cause increase in viscosity.

Coated, unexposed screens can be stored up to 2-3 weeks in a clean, cool, dry and completely dark area.



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CP Ceramic



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 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.

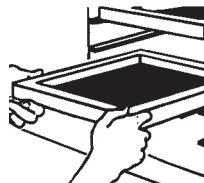
COAT

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.



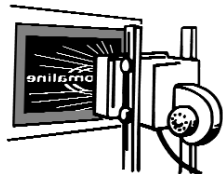
DRY

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 CP Tex Prototype will vary depending on your setup. See exposure guidelines at right for estimated exposure times.



DEVELOP

Spray both sides of screen with luke-warm water, wait 30 seconds then 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. Note: To speed development, use higher water pressure.



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 the step exposure method to determine optimal exposure times. Individual exposure times may vary depending upon equipment used, bulb age, and other shop conditions. Exposure times below were set for 5KW unit at 40" from frame.

Exposure, 5k Metal Halide @ 40" (100 cm)

Coating Technique	Mesh	Exposure Time
1X2	230 Mesh	30-60 sec. 230tpi/90tpc
1X2	110 Mesh	60-90 sec. 110tpi/43tpc

Exposure, 20 Watt Cool White Fluorescent

Coating Technique	Mesh	Exposure Time
1X2	230 Mesh	9-12 min. 230tpi/90tpc
1X2	110 Mesh	10-15 min. 110tpi/43tpc

Diazo based CP Tex 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.

We do not recommend grow lights.

For Technical Service
 Call Toll Free **1-800-328-4261**
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 Email: **help@chromaline.com**