

CP5/WR™

Diazo sensitized direct emulsion for use with water based inks.

USER'S GUIDE

MATERIALS

Required

Exposure unit
Washout sink
Clean work area
Scoop coater
Pressure washer

Recommended

Drying cabinet

CHEMICALS

Required

Chroma/Clean™
mesh degreaser

Chroma/Strip™
screen reclaimer

Recommended

Chroma/Haze™
haze remover

SAFETY AND HANDLING

CP5/WR™ 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: light violet

Solids: 40% (after sensitized)

Exposure: fast (see reverse)

Other: suitable for standard water based inks

Standard Sizes

Quart, gallon, 3.5 gallon, 5 gallon, 50 gal. drum

STORAGE

- **Expiration date.** Always check expiration date on sensitizer bottle to assure freshness.
- **Sensitized CP5/WR** emulsion has a shelf life of 3-4 weeks at room temperature (66 to 70°F).
- **Protect from freezing.** CP5/WR™ 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.

CP5/WR™

- Shoots fast with high resolution
- Extremely durable, yet reclaimable with high pressure washer
- Excellent water resistance



CP5/WR diazo based direct emulsion is easy to use with excellent resolution and high definition.



Chromaline Screen Print Products

4832 Grand Ave. • Duluth, Minnesota 55807 USA
Tel: 218-628-2217 • Toll Free: 800-328-4261 • FAX: 218.628.3245
Web Site: www.chromaline.com • E-mail: sales@chromaline.com

CP5/WR™

Work under yellow lights



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).



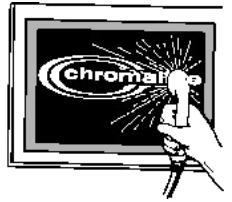
EXPOSE

Place emulsion side of photopositive in contact with print side of screen. Exposure times for CP5/WR will vary depending on your setup. See exposure guidelines at right for estimated exposure times.



DEVELOP

Spray both sides of screen with lukewarm 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 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	mj/cm ²
5 KW	42 inches	30-60 sec.	165-379
3 KW	42 inches	1.5-2 min.	165-379
FL. Tubes	4 inches	3-6 min.	165-379

(Blue/Black)

Diazo based CP5/WR 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. Screens were coated on 230 yellow mesh 1 x 2.

We do not recommend grow lights.

FOR TECHNICAL SERVICE
Call Toll Free 1-800-328-4261

AN
IKONICS
COMPANY