Chroma/Tech® WR

Water Resistant Pure Photopolymer Emulsion

Chroma/Tech WR is designed for textile printing offering superior durability to water based and discharge inks as well as the press cleaning solvents used when printing plastisol inks.

- **Fast Exposure**
- **High Solid Content**
- **High Viscosity**
- **High Definition**
- **Long Print Runs**
- **CTS Imaging Compatibility**

PREMIUM PERFORMANCE WITH COST SAVINGS

Due to its high solid content, Chroma/Tech WR is most often applied with a 1X1 coating. Just two simple coatings reduces your coating time and consumes less product per screen (more screens per gallon). Chroma/Tech WR offers extremely fast exposure which in large shops translates to substantial time savings.

Chroma/Tech WR delivers premium performance and cost savings. We recommend that you quantify these savings when comparing Chroma/Tech WR to other alternatives.

CHEMICALS

RECOMMENDED

Chroma/Clean™
mesh degreaser

Chroma/Strip™
screen reclaimer

MATERIALS

REQUIRED

Exposure unit
Washout area
Clean work area
Scoop coater

RECOMMENDED

Pressure washer

SAFETY AND HANDLING

This material is not hazardous when used within reasonable standards of industrial hygiene and safe working practices. Refer to SDS for further information.

STANDARD SIZES

Quart, Gallon, 3.5-Gallon and 50-Gallon Drum

SPECIFICATIONS

Appearance:	Blue
Solids:	46%
Viscosity:	Approximately 15,000 CPS
Other:	Available upon request

SPECIAL INSTRUCTIONS

Mild or screen safe chemicals are recommended to reduce potential for stencil lock-in.

STORAGE

Chroma/Tech WR emulsion should be stored in its original container between 80°F (27°C) and 32°F (0°C). Coated, unexposed screens can be stored up to one month in a clean, dry and completely dark area.

Protect from freezing. Chroma/Tech WR is not freeze/thaw stable.

Chroma/Tech® WR

INSTRUCTIONS

DEGREASE

Work up a lather on both sides of mesh to degrease. Be sure to use only a high-quality mesh degreaser, such as Chroma/Clean designed specifically for this purpose. Rinse thoroughly.

COAT

Fill scoop coater with room temperature emulsion. Slowly apply first coat to print side. Next, coat squeegee side with 1-3 coats depending upon thickness required. **For most art, a 1X1 coating will be optimal.** If a thicker stencil is required, apply additional wet-on-wet coatings from the squeegee side.

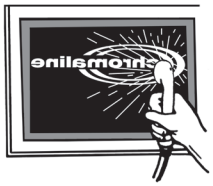
DRY

Dry screen thoroughly in horizontal position with print side down, using a completely clean and dark drying cabinet. Temperature should not exceed 110ºF (43ºC).

EXPOSE

Using the 10-Step Exposure Guide to determine proper exposure times for Chroma/Tech WR, place emulsion side of photopositive in contact with print side of screen. Exposure times for Chroma/Tech WR are very short and accurate exposure is important for optimal results. *See exposure guidelines at right.*

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. Dry screen completely and you are ready to print.

RECLAIM

Apply a high quality screen reclaimer, such as Chroma/Strip to both sides. Scrub area to be reclaimed with a stiff nylon brush to ensure entire surface is wet and let sit until stencil begins to dissolve. Remove stencil residue with pressure washer, then rinse with hose, thoroughly flooding screen and frame.

*Do not let reclaimer dry

EXPOSURE GUIDELINES

Note: Exposure times are suggested only as a guide. Individual exposure times may vary depending upon equipment used, bulb age, and other shop conditions. Suggested exposure times are as follows:

Starting exposure times were based on using QuickImage LED system, 1x1 round edge.

7-14 seconds on 110 white mesh
10-28 seconds on 110 yellow mesh

* Exposure times were determined using the Chromaline Exposure Calculator.

USER DISCRETION FOR UNIQUE DEMANDS: Chroma/Tech WR is pre-sensitized and does not require a diazo sensitizer. However to slow the exposure time and create a triple-cure, users may add one bottle of Chromaline Diazo 2MCQT per gallon of Chroma/Tech WR. Mix the emulsion and sensitizer according to the instructions on the diazo bottle. To reduce air bubbles, let the emulsion stand at least 2 hours (preferably overnight) before using.

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help@chromaline.com | www.chromaline.com
Toll Free: (800) 328-4261
International: +1-218-628-2217

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⚠ **WARNING:** This product can expose you to chemicals including benzophenone, which is known in the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

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