

ChromaTech® WR

Water Resistant Pure Photopolymer Emulsion

ChromaTech 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

Eight to nine times faster than typical two-part emulsions; thereby cutting the cost of screen making time.

High solid content: 45-47%

Minimizes a loss of thickness after drying. A gallon of ChromaTech WR goes a long way. Most ChromaTech WR coatings are optimized at 1X1 with sharp side of scoop coater.

High viscosity: Approximately 15,000cps

Holds the emulsion in place during coating more easily maintaining uniformity. The higher viscosity also makes ChromaTech WR less prone to dripping and permits a quick build-up of a thick stencil when desired.

Pre-sensitized

Comes ready to use with an extremely long shelf life.

High definition

Delivers sharp edges and excellent mesh bridging over most all mesh counts and structures.

Long print runs

Designed with advanced photopolymers for extreme resistance to water based and discharge inks as well as the press cleaning solvents used when printing plastisol inks.

Despite its exceptional durability, ChromaTech WR remains easy to reclaim.

CTS Imaging Compatible

Field tested and proven highly suitable for CTS imaging technology.

Premium Performance with Cost Savings

Due to its high solid content, ChromaTech 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). ChromaTech WR offers extremely fast exposure which in large shops translates to substantial time savings.

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





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.



COAT

Fill scoop coater with room temperature emulsion. Slowly apply first coat to print side. Then coat squeegee side with one to three coats depending upon thickness required. Please note that ChromaTech WR has high solids requiring less coating than traditional emulsions. **For most art, a 1X1 coating with the sharp edge of the scoop coater will be optimal.** If a thicker stencil is required, additional coats may be applied to print side after initial drying of stencil. Be sure to dry thoroughly between coats.



DRY

Thoroughly dry screen prior to exposure. Temperature should not exceed 110°F (43°C).

EXPOSE

Exposure tests must be performed on the ChromaTech WR emulsion to determine proper exposure times. For detailed information on determining exposure times with step tests or exposure calculators, please see videos: www.chromaline.com/video

DEVELOP

Gently spray both sides of screen with tepid 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 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 garden type hose, thoroughly flooding screen and frame.



USER DISCRETION FOR UNIQUE DEMANDS: ChromaTech WR is pre-sensitized and does not require a diazo sensitizer. However to slow the exposure time and create a dual-cure, users may add one bottle of Chromaline Diazo 2MCQT per gallon of ChromaTech 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.

MATERIALS

REQUIRED

Exposure unit
Washout area
Clean work area
Scoop coater

RECOMMENDED

Pressure washer

STANDARD SIZES

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

SPECIFICATIONS

Appearance: Blue
Solids: 45-47%
Viscosity: Approximately 15,000cps
Other: Available upon request

CHEMICALS

RECOMMENDED

Chroma/Clean™
mesh degreaser
Chroma/Strip™
screen reclaimer

SPECIAL INSTRUCTIONS

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

STORAGE

ChromaTech WR emulsion has a shelf life of 24 months at room temperature (60° to 80°F). ChromaTech WR emulsion should be stored in its original container.

Protect from freezing. ChromaTech WR is not freeze/thaw stable. Freezing during shipping may result in high viscosity and may cause the emulsion to become unusable.

SAFETY AND HANDLING

ChromaTech 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 SDS for further information.