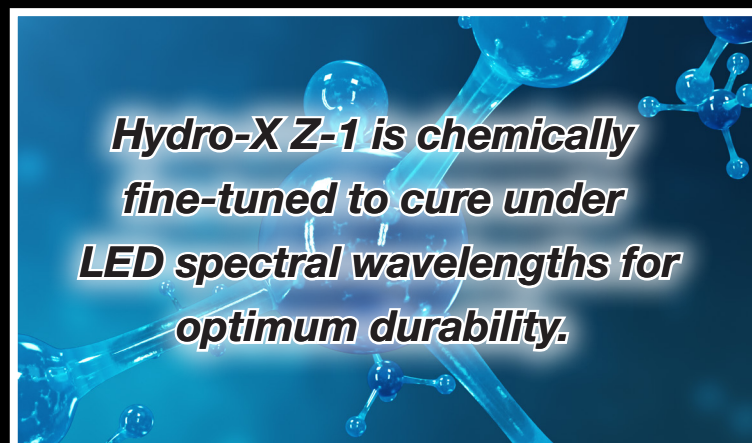


HYDRO-~~X~~Z-1

EXTREME Water-resistant Emulsion

Hydro-X Z-1 is a revolutionary screen printing emulsion. With extreme resistance to water-based & discharge inks, increased durability, and improved crosslinking, this shockingly good emulsion will prove to be the first premium choice for creating perfect stencils! Preferred coating method is 1x1.

- **Hybrid Photopolymer Emulsion**
- **Water-resistant**
- **Optimal Results – LED Exposure**
- **Compatible with Plastisol, Water-based (including Discharge & HSA) Inks as well as Solvent Cleaning**
- **Resistant to Humid Environments**
- **Does not require diazo addition**



STANDARD SIZES

Quart, Gallon, 3.5 Gallon, 50 Gallon Drum
(Available in dyed formulation only)

SPECIFICATIONS

Appearance: Red
Viscosity: 15,000 CPS
Solids: 46%
Exposure: Very Fast

STORAGE

For best results, store Hydro-X Z-1 in its original container at room temperatures between 60°- 80°F (16°- 27°C).

Protect from freezing. Hydro-X Z-1 is not freeze/thaw stable.



INSTRUCTIONS

DEGREASE

Using Chroma/Wet iSC mesh degreaser, work up a lather on both sides of mesh. Flood screen and frame thoroughly with a garden or utility hose. Then let screen dry completely.



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, but 1 x 1 is optimal. If a thicker stencil is required, apply additional wet-on-wet coatings from the squeegee side.



**Note: Hydro-X Z-1 has high solids content, requiring less coating than traditional emulsions.*

DRY

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

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. Suggested exposure times are as follows:

- 110 White Mesh: 7-14 seconds
- 110 Yellow Mesh: 10-28 seconds

**Starting exposure times were based on using a QuickImage LED exposure unit, 1 x 1 round edge coater.*

EXPOSE

Exposure tests must be performed on the Hydro-X Z-1 emulsion to determine proper exposure times. For technical help in performing step tests and using exposure calculators visit: www.chromaline.com/video

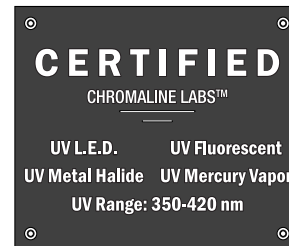
DEVELOP

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 before printing.



RECLAIM

Apply Chroma/Strip™ iSC screen reclaim-er to both sides of screen. 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.



USER DISCRETION FOR UNIQUE DEMANDS: Hydro-X Z-1 is a pre-sensitized emulsion and does not require a diazo sensitizer. To slow exposure time and create a triple-cure, users may add one bottle of Chromaline Diazo 2MCQT per gallon of Hydro-X Z-1. Mix the emulsion and sensitizer according to the diazo bottle instructions. To reduce air bubbles, let the emulsion stand at least 2 hours (preferably overnight) before using.