ProChem® L.X.P.
L.E.D. OPTIMIZED EMULSION

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Applications

Pre-sensitized all-purpose Solvent and Water Resistant Photopolymer emulsion. Specially formulated with special photo-initiators for newer LED light sources.

Physical Properties

- Optimized for use with L.E.D. Exposure Units
- Extremely quick exposure times
- Large exposure window (Latitude)
- Color: Lime Green
- High Viscosity: 15,000 cps
- Outstanding resolution and edge definition
- Extremely durable for long print runs
- Virtually pinhole and fish-eye free
- For plastisol and waterbase inks
- High solids content: 45%

Handling

Handle under yellow safelight conditions.

Sensitizing

L.X.P. is a one part emulsion that does not require a diazo to be added. Use straight from container.

Mesh Preparation

It is important to have a clean dry screen before you apply the emulsion. To achieve this use a good degreaser available from CCI.

Coating Procedure

Use a clean coating trough that has a smooth edge without nicks or burrs. Coating environment should be in a clean light safe area with 65% humidity level.

1. Apply one or two coats of emulsion to the print side.
2. Reverse the screen and apply one or two coats to the squeegee side.

To achieve user specific results, additional coats may be used.

Drying

Dry the screen in a horizontal position with the print side down in a clean dry room. Follow these guidelines to ensure complete drying:

- 86° to 104° F (30° to 40° C)
- 30% to 50% relative humidity
- Good air circulation

*To achieve the desired humidity levels the use of a dehumidifier is recommended.

Exposure

For best results use yellow mesh & an exposure calculator to determine the exact exposure time. Yellow mesh is highly recommended in order to obtain better detail and latitude (window). Proper exposure is determined by a number of conditions such as a clean film positives, mesh color, emulsion type, emulsion thickness and exposure unit type. For example: with 305 yellow mesh a 5%-95% dot range @ 55 lpi is obtainable.

Approximate Exposure Times - L.E.D.

Mesh	Color	Seconds
137	Yellow	14
156	Yellow	12
230	Yellow	9
305	Yellow	6

L.E.D. LIGHT SOURCE

Note: Above times are based on using a screen coated 1/1.

Step 1.

Print Side

Step 2.

Squeegee Side

Post Exposing For Water Based Printing

After initial exposure the screen should be developed and allowed to dry. Once dried re-expose the screen at the same time as the initial exposure.

Washout

Gently spray both sides of the screen with water. Wait a moment to allow the emulsion to soften. Wash print side of the screen until the image is fully open. Rinse both sides thoroughly and dry. A vacuum can be used, on the squeegee side, to accelerate drying.

Reclaiming

Removing the emulsion is simple with one of CCI's ready to use or concentrated emulsion removers.

Storage

Store the emulsion in a cool dry place. Unopened emulsion has a shelf life of one year when stored properly. Coated screens will last up to 30 days with good results when stored correctly.

- 59° to 77° F (15° to 25° C)
- 40% to 60% humidity

To Order Call (800)753-5095

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