HXT - Hybrid/Photopolymer Emulsion

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Applications

Hybrid / Pre-sensitized Photopolymer emulsion for UV, Graphic(solvent based), and Plastisol inks.

Physical Properties

- Blue Colored, also available in Clear
- Virtually pinhole and Þsh eye free
- Extremely Durable for long print runs
- Outstanding resolution and edge deÞnition
- 40% solids

Handling

Handle under yellow safelight conditions.

Sensitizing

HXT 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 speciÞc 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:

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

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

Exposure

For best results use an exposure calculator to determine the exact exposure time. Proper exposure is determined by a number of conditions such as clean Þlm positives, mesh color, emulsion type, emulsion thickness and exposure unit type.

Approximate Exposure Times

Mesh	Color	Seconds	
86	White	30	55
110	White	25	45
200	Yellow	25	45
305	Yellow	20	30
350	Yellow	18	28
Metal Halide Lamp		8K	5K

Note: Above times are based on using a screen coated 2/2.

Step 1.

Print Side

Step 2.

Squeegee Side

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 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.

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

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