



Hybrid/Photopolymer Emulsion

Chemical Consultants, Inc.
1850 Wild turkey Circle
Corona, CA 92878
(800)753-5095
www.ccidom.com

Applications

Hybrid/ Pre-sensitized Photopolymer emulsion for UV, Graphic(solvent based), Plastisol and short runs of water based inks

Sensitizing

For longer waterbased runs post exposing and the addition of diazo will dramatically increase water resistance and print durability.

*Please note after adding diazo the product life span will be reduced.

Physical Properties

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

Handling

Handle under yellow safelight conditions.

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

Approximate Exposure Times			
Mesh	Color	Seconds	
86	White	15	28
110	White	13	23
200	Yellow	13	23
305	Yellow	10	15
350	Yellow	9	14
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.

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

To Order Call (800)753-5095