



# ProChem® C-TEX

## HYBRID DUAL CURE WATER RESIST EMULSION

Chemical Consultants, Inc.

1850 Wild Turkey Circle

Corona, CA 92880

(800)753-5095

[www.ccidom.com](http://www.ccidom.com)

## Applications

Diazo sensitized emulsion for Plastisol, Discharge, and Water Based inks. Ideal for use with Phthalate compliant ink systems.

## Physical Properties

- ☼ Blue Colored
- ☼ Virtually pinhole and fish eye free
- ☼ Extremely Durable for long print runs
- ☼ Outstanding resolution and edge definition
- ☼ 46% solids
- ☼ Superior Solvent resistance to Aerosol Screen Openers

## Handling

Handle under yellow safelight conditions.

## Sensitizing

Mix sensitizer according to the instructions on the bottle. Pour the solution into the emulsion and mix thoroughly. Let the emulsion stand for 2 hours to let the air bubbles release from the emulsion.

## 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.

Note: Screens coated with C-TEX must be used within 12 hours of drying. This will prevent issues when developing the screen.

## 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	85	125
110	White	60	85
200	Yellow	45	65
300	Yellow	30	50
350	Yellow	25	45
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.

## Post Hardening

For best printing results use HardenX or PermeX. Use either hardener when printing water based inks or ceramic inks. Hardening this product produces a permanent stencil which is extremely durable for long print runs

**NOTE:** Post hardening this emulsion will produce a permanent coating, which will not be reclaimable.

## Reclaiming

Removing the emulsion can be done with one of CCI's ready to use or concentrated emulsion removers. However, this product will be difficult to reclaim after hardening, due to its strong water resistance.

## Storage

Store the emulsion in a cool dry place. Unsensitized emulsion has a shelf of 6 months when stored appropriately. Sensitized emulsion will last up to 2 weeks with good results when stored correctly.

- ☼ 59° to 77° F (15° to 25° C)

- ☼ 30% to 50% relative humidity

To Order Call (800)753-5095