

# SPIKE™

## CT 420D

Developed in conjunction with Davis International, 1225 Clifford Avenue, Rochester, NY 14621

## SPIKE CT 420D

- No mixing
- Very fast exposing, fast drying
- Superior mesh bridging
- Excellent reclaimability
- High solids — lower cost per screen

*SPIKE CT 420D for use with plastisol inks is ideally suited for textile printers using direct emulsions who are seeking faster screen turnaround without sacrificing imaging quality.*



### MATERIALS

#### REQUIRED

Exposure unit  
Washout sink  
Clean work area  
Scoop coater

#### RECOMMENDED

Drying cabinet  
Pressure washer

### CHEMICALS

#### REQUIRED

Chroma/Clean™  
mesh degreaser

Chroma/Strip™  
screen reclaimers

#### RECOMMENDED

Chroma/Haze™  
haze remover

Chroma/Fill™  
screen blockout

### SAFETY AND HANDLING

SPIKE CT 420D emulsion should be handled like any other direct emulsion. This material is not hazardous when used within reasonable standards of industrial hygiene and safe working practices. Refer to MSDS.

### STANDARD SIZES

Quart, gallon, 3.5 gallon, 50 gal. drum.  
Available in dyed formulation only.

### SPECIFICATIONS

Appearance: Red  
Solids: approx. 48%  
Viscosity: 6000 CPS

### STORAGE

**Shelf life** is 18 months when stored at room temperature. SPIKE CT 420D should not be stored at temperatures above 80°F (27°C).

**Protect from freezing.** SPIKE CT 420D is not freeze/thaw stable.



## Chromaline Screen Print Products

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## INSTRUCTIONS

### DEGREASE

Using Chroma/Clean™ mesh degreaser, work up a lather on both sides of mesh. Flood screen and frame thoroughly with garden type hose, then dry.



### COAT

Slowly apply first coat to print side. Then coat squeegee side with one coat. If a thicker stencil is desired, additional coats may be applied to print side. Note that one coat on each side with SPIKE CT 420D is similar to four coats wet on wet with typical diazo based emulsions. Dry thoroughly between coats.

- SPIKE CT 420D is presensitized and requires no mixing.
- Keep pail covered when not in use.
- Return unused emulsion from scoop coater to pail as soon as possible. Emulsion dries quickly and will rapidly "skin over."

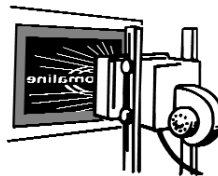


### DRY

Thoroughly dry screen in horizontal position, print side down, using a totally dark, clean drying cabinet. Temperature should not exceed 110°F (43°C).

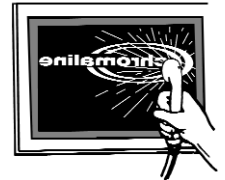
### EXPOSE

Place emulsion side of photopositive in contact with print side of screen. Exposure times are very short and accurate exposure is important for optimal results. See exposure guidelines at right.



### 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 and you are ready to print.



### RECLAIM

Apply Chroma/Strip™ screen reclaimer to both sides of screen. Scrub area to be reclaimed with a stiff nylon brush to ensure entire surface is wet and let it work a few moments until stencil begins to dissolve. Remove stencil residue with pressure washer, then rinse with garden type hose, thoroughly flooding screen and frame.



## EXPOSURE GUIDELINES

### 110 YELLOW POLYESTER MONOFILAMENT MESH

Coating Technique	Coater Edge	Suggested Min. Exp. Time
1X1	Round	30 sec.
1X2	Round	40 sec.

### 230 YELLOW POLYESTER MONOFILAMENT MESH

Coating Technique	Coater Edge	Suggested Min. Exp. Time
1X1	Round	20 sec
1X2	Round	25 sec.

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. Exposure times below were set using a VNH unit.

For Technical Service  
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