



# ALPHA

MICROCAP™ A CAPILLARY FILM

20-micron concentric circles resolved with Alpha MicroCap™ A 25-micron capillary film.  
Applied to 400 SS, 500x Magnification. Microphotography supplied by Chromaline Labs™.

## Alpha MicroCap™ A Key Features

- 20-micron lines and spaces capabilities
- Highest resolution capillary film available
- Easiest application, delivers the most consistent results
- Superior SS & PE Mesh penetration and adhesion
- Capillary film provides low Rz with thin EOM
- Available in 18 & 25 micron profiles
- Custom cut sheet sizes available

### SAFETY AND HANDLING

There are no hazards associated with this product when used within reasonable standards of industrial hygiene and safe working practices. Refer to SDS for further information.

### APPLICATIONS

Extreme resolution screenprinting using solvent and UV-based inks, pastes & dielectrics.

### STORAGE

**Pre-sensitized Alpha MicroCap A** film is light sensitive and should be opened only under yellow or subdued lighting. Chromaline recommends that unexposed film be stored in sealed original container in a cool, dry area.

**Coated, unexposed screens** can be stored as long as one month in a clean, cool, dry and completely dark area.

**Best if used within** one year when stored between 65° and 75°F. Film degrades quickly when stored above 110°F. Store film in sealed tube or box when not in use.

## Chromaline Screen Print Products

4832 Grand Ave. Duluth, Minnesota 55807 **Tel:** 218-628-2217 **Fax:** 218-628-3245  
**Web Site:** [www.chromaline.com](http://www.chromaline.com) **E-mail:** [sales@chromaline.com](mailto:sales@chromaline.com)

AN **IKONICS** COMPANY

ISO 9001 CERTIFIED

NASDAQ LISTED: **IKNX**



## USER'S GUIDE

**WARNING:** This product can expose you to chemicals including 1,4-dioxane, which is known in the State of California to cause cancer, and toluene, which is known in the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

# Alpha MicroCap™ A

## MATERIALS REQUIRED

Exposure unit  
Washout sink  
Clean work area

## RECOMMENDED

Drying cabinet  
Pressure Washer  
Chromaline Exposure  
Calculator

## CHEMICALS REQUIRED

Degreaser 260  
Mesh Degreaser  
Chroma/Strip™  
screen reclaimer

## INSTRUCTIONS

### DEGREASE

Using Degreaser 260 mesh degreaser, work up a lather on both sides of mesh. Flood screen and frame thoroughly with water, then dry. *(Note: We highly recommend the use of mesh Degreaser 260 for all mesh types, especially stainless steel.)*

### APPLY

We recommend our chemical-free spray gun method, utilizing a cup gun sprayer, for more consistent results. Standard wet screen procedures may also be used. Visit [Chromaline.com/videos](http://Chromaline.com/videos) for more details and application tips.

### DRY

Thoroughly dry screen in a clean drying cabinet (avoid high temperatures of 110° F (43°C)). Remove the carrier just before exposing. If the carrier resists being pulled off, additional drying time is needed.

### EXPOSE

With polyester carrier peeled off, place the emulsion side of the positive against the print side of the screen in an exposure frame. Run an exposure test to determine your correct exposure. (See exposure guidelines below.)

### DEVELOP

Gently spray both sides of screen with tepid 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. We recommend an air-assisted water mist for micro-line development.

### 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 for 30 to 60 seconds until stencil begins to dissolve. Remove stencil residue with pressure washer, then rinse with water, thoroughly flooding screen and frame.

### EXPOSURE GUIDELINES

Refer to the table below for initial exposure recommendations (note that individual exposure times may vary depending upon equipment used, bulb age, and other shop conditions). It is highly recommended to use a Chromaline Exposure Calculator to determine optimal exposure times.

### RECOMMENDED EXPOSURES

Bulb Type	18 Micron	25 micron
5kw	55-65 units (531-623 mj/cm <sup>2</sup> )	105-115 units (996-1096 mj/cm <sup>2</sup> )
8kw	18-22 units (430-522 mj/cm <sup>2</sup> )	32-37 units (745-881 mj/cm <sup>2</sup> )

## FOR TECHNICAL SERVICE

Call Toll Free: **1-800-328-4261**

Email: [help@chromaline.com](mailto:help@chromaline.com)

(Outside North America Call +1-218-628-2217)

