



PRINT WITH
CONFIDENCE

www.chromaline.com

Chromaline Screen Print Products develops and manufactures a wide variety of stencil products, designed to help you make a high quality stencil. Our products can be used for a wide variety of printing applications, including textiles, graphics, electronics printing, glass, ceramics and more.

Screen Printing for the **GRAPHICS INDUSTRY**



Today's graphic screen printing equipment delivers the ability to screen print a wide variety of designs and text onto any substrate or 3-dimension object, and choosing the right emulsion is crucial.

Selecting the right emulsion is a crucial component to the success of every graphic screen printing application. From fleet graphics to machine interface panels, let us help you tackle the biggest challenges you'll face and provide guidance on how to overcome them each step of the way.

Graphics Industry Markets:

- Medium/Large Format Graphics
- Optical Media
- Industrial Graphics
- Direct-Printed Containers
- Printed Electronics



Screen Printing for the **TEXTILE INDUSTRY**



Textile printing products and stencils need to go beyond ink resistance and on-press durability. Screen making and screen turn-around are just as important.

Textile printers need emulsion solutions that can lower costs, increase efficiency and help deliver a greater volume of high quality products to keep up with steady growth and plenty of competition. The Textile Emulsion Guide on the following page will guide you through the process of choosing the right screen printing chemicals for your project.

Textile Emulsions Require:

- Excellent build-up to make the stencil with fewer passes
- Wide exposure latitude for predictable, repeatable imaging
- Fast drying and exposure to decrease screen-making time
- Easy, stain-free reclaiming for quick turns, and long screen life
- Excellent price-performance ratio required by this competitive industry

GRAPHICS EMULSION GUIDE

Ink	Applications	Substrates	Direct Emulsion	Capillary Film
Solvent Inks	Posters, indoor/outdoor signs, transportation graphics, POP, banners, IMD, identity cards, bottles & containers, coated surfaces	<ul style="list-style-type: none"> Coated and uncoated papers Polyolefins, styrene, some vinyls, PVC IMD: PC/blends, PET Wood, metal, glass 	UDC-2 Dual-Cure UDC-HV Dual-Cure UDC-ACE Dual-Cure* Razor® Fusion Photopolymer* DTS Z1 Photopolymer* CP2 Diazo Max-R Dual-Cure DTS Universal Photopolymer	Pro/Cap Diazo Pro/Cap TD Diazo Magna/Cure® Dual-Cure Razor® Photopolymer*
Metallic Solvent Inks	High quality labels, decals, displays	<ul style="list-style-type: none"> Coated and uncoated papers Polyolefins, styrene, vinyl Wood, metal, glass 	UDC-2 Dual-Cure UDC-HV Dual-Cure UDC-ACE Dual-Cure* Razor® Fusion Photopolymer* DTS Z1 Photopolymer* CP2 Diazo Max-R Dual-Cure DTS Universal Photopolymer	Pro/Cap Diazo Pro/Cap TD Diazo Magna/Cure® Dual-Cure Razor® Photopolymer*
UV Inks	Posters, POP, banners, labels & decals, membrane overlays, containers, IMD, indoor/outdoor & flexing applications	<ul style="list-style-type: none"> Coated papers, corrugated paper PVC, PS, PET, PC Polyolefins Styrene, vinyl 	UDC-2 Dual-Cure UDC-HV Dual-Cure UDC-ACE Dual-Cure* Razor® Fusion Photopolymer* DTS Z1 Photopolymer* CP2 Diazo Max-R Dual-Cure DTS Universal Photopolymer	Pro/Cap Diazo Pro/Cap TD Diazo Magna/Cure® Dual-Cure Razor® Photopolymer*
Metallic UV Inks	High quality labels, decals, displays	<ul style="list-style-type: none"> Coated papers, corrugated paper PET, PC, PP, acrylic Styrene, some vinyls 	UDC-2 Dual-Cure UDC-HV Dual-Cure UDC-ACE Dual-Cure* Razor® Fusion Photopolymer* DTS Z1 Photopolymer* CP2 Diazo Max-R Dual-Cure DTS Universal Photopolymer	Pro/Cap Diazo Pro/Cap TD Diazo Magna/Cure® Dual-Cure Razor® Photopolymer*
Water Based Inks	Applications that do not require scratch and abrasion resistance	<ul style="list-style-type: none"> Paper, corrugated paper Some plastics: Mylar, polycarbonate Pressure-sensitive vinyl 	CP Tex Diazo* UDC-ACE Dual-Cure Max-R Dual-Cure DTS Z1 Photopolymer* ChromaTech® WR Photopolymer ChromaTech® DEX Photopolymer DTZ Universal	
LED Cured Inks	Various graphic applications and membrane switch overlays	<i>Consult ink manufacturer</i>	UDC-2 Dual-Cure UDC-HV Dual-Cure UDC-ACE Dual-Cure* Razor® Fusion Photopolymer* DTS Z1 Photopolymer*	Pro/Cap Diazo Pro/Cap TD Diazo Magna/Cure® Dual-Cure

*Recommended for high-resolution images

TEXTILE EMULSION GUIDE

Ink	Applications	Type	Direct Emulsion	Capillary Film
Water-based inks	For soft-hand prints on light-colored fabrics	Water-based	CP Tex Diazo* UDC-ACE Dual-Cure Max-R Dual-Cure DTS Z1 Photopolymer* Chroma/Tech® WR Photopolymer Chroma/Tech® DEX Photopolymer	
Discharge inks	For soft-hand prints on dark fabrics	Water-based	CP Tex Diazo* UDC-ACE Dual-Cure Max-R Dual-Cure DTS Z1 Photopolymer* Chroma/Tech® WR Photopolymer Chroma/Tech® DEX Photopolymer	
Plastisol inks	For use on multi-color cotton, polyester, nylon and Lycra® fabrics	Plastisol	CP Tex Diazo CP2™ Diazo UDC-2 Dual-Cure UDC-HV Dual-Cure UDC-ACE Dual-cure* MAX-R Dual-Cure Razor® Fusion Photopolymer* CT-R Photopolymer*	Pro/Cap® Diazo Pro/Cap TD® Diazo Magna/Cure® Dual-Cure Razor® Photopolymer*
Glitter / Metallic / Reflective inks	Special effect applications		Chroma/Tech® PL Photopolymer Chroma/Tech® PL-2 Photopolymer* ChromaBlue® Photopolymer DTS Z1 Photopolymer* Chroma/Tech® WR Photopolymer Chroma/Tech® DEX Photopolymer ChromaLime Photopolymer*	Quick Film
Glue / Adhesive Inks	For embellishment adhesion: foil, transfers, sequins, caviar beads, patches, flocking	Plastisol	ChromaBlue® Photopolymer Chroma/Tech® PL Photopolymer CT-R Photopolymer*	Super PHAT Photopolymer with ChromaBlue® or UDC-ACE
		2-Part		Super PHAT Photopolymer with UDC-ACE
High-Density Inks	For creating 3D effects	Plastisol	ChromaBlue® Photopolymer Chroma/Tech® PL Photopolymer CT-R Photopolymer*	Super PHAT Photopolymer with UDC-ACE

*Recommended for high-resolution images

SUPER PHAT

Fast, Clean and Consistent Capillary Film

Chromaline's SUPER PHAT film is the ideal choice for printers seeking heavy ink deposit in a variety of applications. SUPER PHAT film works well for textile printers working with high density and special effects inks. Electronics and industrial printers will appreciate SUPER PHAT film's ability to accomplish extreme stencil build-up.

Super Phat Film Features

- Fast exposures with excellent image quality
- Excellent build-up
- Extremely fast screen turn-around
- Improved humidity resistance



Diazo Capillary Film with Workhorse Durability

Pro/Cap Capillary Film is a pre-sensitized diazo capillary with a reputation for producing trouble-free screens. Designed for compatibility with plastisol and solvent-based inks, printers will appreciate its workhorse durability for demanding print runs, and its user friendly convenience. Pro/Cap Capillary Film is recommended for screen makers demanding high edge definition and reliable durability for quality imaging in even the longest print runs. Custom cut sheets are available upon request by emailing us.

Pro/Cap Capillary Film Features

- Superior Film Penetration & Adhesion
- Economically Priced
- Easy to Use, Easy to Learn
- Excellent Solvent Resistance
- Low Rz
- Humidity Resistance

RAZOR

CAPILLARY FILM

Fast, Clean and Consistent Capillary Film

Razor Capillary Film is a pure photopolymer capillary film ideal for both textile and graphic printing industries. Razor Film can be used as a capillary film or it can be easily laminated with any Chromaline textile emulsion. Razor Film is fast, clean and consistent! Bottom Line - if you make a lot of screens per day, Razor's short exposure time won't be your bottleneck.

Razor Capillary Film Features

- Excellent Imaging
- No Pinholes
- No Waste
- 2 Year Shelf Life
- Faster exposure vs. diazo or dual-cure films



www.chromaline.com
 (800) 328-4261 or (218) 628-2217