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-dimensional 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

<table>
<thead>
<tr>
<th>Ink</th>
<th>Applications</th>
<th>Substrates</th>
<th>Direct Emulsion</th>
<th>Capillary Film</th>
</tr>
</thead>
</table>
| **Solvent Inks**        | Posters, indoor/outdoor signs, transportation graphics, POP, banners, IMD, identity cards, bottles & containers, coated surfaces | • 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 Diazol  
Max-R Dual-Cure  
DTS Universal Photopolymer | ProCap Diazol  
ProCap TD Diazol  
Magna/Cure® Dual-Cure  
Razor® Photopolymer* |
| **Metallic Solvent Inks** | High quality labels, decals, displays | • 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 Diazol  
Max-R Dual-Cure  
DTS Universal Photopolymer | ProCap Diazol  
ProCap TD Diazol  
Magna/Cure® Dual-Cure  
Razor® Photopolymer* |
| **UV Inks**             | Posters, POP, banners, labels & decals, membrane overlays, containers, IMD, indoor/outdoor & flexing applications | • Coated papers, corrugated paper  
• PVC, PS, PET, PC  
• Polyolefins  
• Styrene, some vinyls | UDC-2 Dual-Cure  
UDC-HV Dual-Cure  
UDC-ACE Dual-Cure  
Razor® Fusion Photopolymer*  
DTS Z1 Photopolymer*  
CP2 Diazol  
Max-R Dual-Cure  
DTS Universal Photopolymer | ProCap Diazol  
ProCap TD Diazol  
Magna/Cure® Dual-Cure  
Razor® Photopolymer* |
| **Metallic UV Inks**    | High quality labels, decals, displays | • 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 Diazol  
Max-R Dual-Cure  
DTS Universal Photopolymer | ProCap Diazol  
ProCap TD Diazol  
Magna/Cure® Dual-Cure  
Razor® Photopolymer* |
| **Water Based Inks**    | Applications that do not require scratch and abrasion resistance | • Paper, corrugated paper  
• Some plastics: Mylar, polycarbonate  
• Pressure-sensitive vinyl | CP Tex Diazol*  
UDC-ACE Dual-Cure  
Max-R Dual-Cure  
DTS Z1 Photopolymer*  
ChromaTech® WR Photopolymer  
ChromaTech® DEX Photopolymer  
DTZ Universal | ProCap Diazol  
ProCap TD Diazol  
Magna/Cure® Dual-Cure  
Razor® Photopolymer* |
| **LED Cured Inks**      | Various graphic applications and membrane switch overlays | Consult ink manufacturer | UDC-2 Dual-Cure  
UDC-HV Dual-Cure  
UDC-ACE Dual-Cure  
Razor® Fusion Photopolymer*  
DTS Z1 Photopolymer* | ProCap Diazol  
ProCap TD Diazol  
Magna/Cure® Dual-Cure  
Razor® Photopolymer* |

*Recommended for high-resolution images

## TEXTILE EMULSION GUIDE

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

*Recommended for high-resolution images
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

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

Super Phat Film Features

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

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