



Autotype Knife-Cut Film

Knife-cut films are one of the quickest ways to produce simple stencils for screen printing. The image can be cut in the soft emulsion either by hand or by using a computer-aided plotter. The unwanted emulsion can be quickly peeled away and the film is then ready to be adhered to the mesh.

Autocut: Water-soluble film for solvent-based inks. A fast, simple process for the production of block graphics. Ideal for posters and signage.

Solvent Green: For use with water-based or plastisol inks. Ideal for the production of T-shirts. Available in 41" and 48" x 394" rolls.

Solvent Green Adhering Fluid: Mounting fluid for all solvent-adhering hand-cut films. Specially formulated to help reduce burned edges. Available in 1.06 qt. containers.

Autotype Filler

Water-soluble screen blockout and retouching filler for use with solvent-based and UV-curing inks. Medium viscosity gives excellent coating characteristics. Green color. Container sizes: 1 Liter, 5 Liters.

Green Filler

Ultra-fast drying makes Green Filler ideal for use with indirect films. Medium low viscosity makes it ideal for blockout and retouching. Easily applied with coating trough, card or brush.

Regular Filler

Easily applied with coating trough, card or brush. Suitable for a wide range of mesh counts, with minimal "drip through". Can be diluted for use as a retouching filler.



Check out our full line of emulsions starting on page 45.



Blockouts

Red Blockout

Economical, water-soluble, solvent-resistant, and VOC-free. Used to cover large areas of the screen and touch up pinholes. Container sizes: Quart, 1-gallon, 5-gallon, 55-gallon drums.



Kiwo Blockout

This specialized VOC-free filler is formulated with high solids content and high viscosity. Recommended for blocking out larger areas using a scraper or coating trough. Spreads smoothly and is fast drying. Container sizes: Quart, 1-gallon, 5-gallon.

Kiwo Touchup

A VOC-free, low-viscosity, solvent-resistant filler specifically designed for retouching. Dries smoothly on the screen and minimizes squeegee wear. Water-based and solvent-free for improved working environment. Container sizes: Quart, 1-gallon, 5-gallon.

Kiwo Blockout WR/MV

VOC-Free, water resistant, and reclaimable screen filler based on an aqueous dispersion for printing with water-based ink. Container sizes: Quart, 1-gallon, 5-gallon.

Hardeners

Hardener AWR

Chemical hardener increases the water resistance of most KIWO emulsions. It can produce a permanent stencil depending on the chemical structure of the emulsion. Container sizes: Quart, 1-gallon, 5-gallon and 55-gallon drums.



Hardener K

Chemical hardener used to increase the water resistance of stencils making them permanent. Especially effective with KIWOCOL Poly-Plus HWR. Container sizes: Quart, 1-gallon, 5-gallon and 55-gallon drums.

Contact Midwest for MSDS and technical data sheets





Rubylith® Masking Film

Rubylith is a red masking film, which is suited for use with orthochromatic films. It's "safe" for use with camera-speed darkroom films as well as indirect gelatin stencil films and diazo, diazo acrylic, or SBQ sensitized stencil films or emulsions.

Amberlith® Masking Film

Amberlith is an amber masking film. Safe for use with indirect gelatin stencil films and diazo, diazo acrylic, or SBQ sensitized stencil films or emulsions. Amberlith is not "safe" for use with camera-speed darkroom films. Used primarily in the production of stencils for screen process printing. The amber film is easier to see through than the red, particularly when several sheets of film are overlaid to produce color separations. *Contact Midwest for available sizes.*



Extra Heavy Blockout No. 10

A heavy, nonflammable, water-soluble blockout with drying characteristics similar to indirect films. The high viscosity of Extra Heavy Blockout No. 10 affords easier handling, and generally assures effective coverage in a single coating. Especially useful with coarse mesh. Can be used for touch-ups when thinned with cold water. Can be used in unventilated rooms since it contains no organic solvents. Recommended for use on all fabrics, with all stencil systems. **Use only with non-aqueous inks.**

Screen Filler No. 60

A water-soluble blockout with drying characteristics similar to Indirect Films. Can be used full-strength for touch-ups or thinned with water if desired. Can be used in unventilated rooms since it contains no organic solvents. Recommended for use on all fabrics, with all stencil systems. **Use only with non-aqueous inks.**



Red Blockout

Red Blockout is a water soluble filler that easily rinses out of mesh. The red color provides high contrast, even when used on colored mesh.

Indirect Film Developer

Midwest offers Ulano A and B Developer powders for indirect films. They are pre-measured for convenience and foil-sealed to insure freshness. *Available in pint, quart and gallon containers.*



INDIRECT FILMS

Autotype Indirect Films

Autotype indirect films offer many benefits to the user, as quite simply they are the fastest and easiest method of producing a high-quality stencil for short-run screen printing. Due to their applications, indirect films are best suited for use on medium to fine mesh counts. *Autotype films are available in rolls of: 24" x 394", 41" x 197", 41" x 394" and 48" x 394".*

Alphastar: The highest-resolution gelatine indirect film for fine line and halftone printing. Offers low stencil profile and superb dot reproduction. Ideal for short-run high-quality graphics.

Five Star: This red gelatine film is perfect for high quality short run applications. The extremely wide processing latitude of Five Star means that this product is exceptionally easy to use. Its combination of high resolution and definition makes it the best indirect film on the market.

Green Star: A low-resolution but high-definition gelatine indirect film, suitable for short-run graphics using multilayer positives.

Microplus: This fast-exposing grey gelatine indirect film has been specifically formulated for use on stainless steel mesh for electronics and ceramics applications.

Novastar: A unique blue polymer indirect film that does not require peroxide hardening. Ideal for use with all solvent-based or UV-curing inks and is therefore suitable for a wide range of graphics applications.

Anti-static Duster

The Autotype Anti-static Duster is impregnated with an undetectable molecular layer of a highly efficient anti-static agent. Ideal for capillary and other photostencil films and masking films.

Film Opaque Pen

Lightweight pens contain specially formulated water-resistant ink that effectively blocks light transmission. Ideal for small scratches on film. Ink dries in less than a minute. *Available in Black or Red, fine-point or broad-point. 12 per box, 144 per carton.*



Contact Midwest for MSDS and technical data sheets



ULANO® INDIRECT FILMS

Ulano indirect films provide the ultimate in stencil resolution and definition and consist of a light-sensitive emulsion affixed to a transparent base, or backing sheet, with special adhesives. Indirect films are exposed, developed (except Ulanolux UP3), washed out and then adhered to a screen. *Ulano Films are available in several sizes.*



Gelatin-Based Photographic Films

Super Prep®: A green emulsion on a 2-mil polyester backing. Wide exposure latitude. Excellent adhesion to all synthetic fabrics. Not intended for high-resolution applications, but suitable for general graphics work. Resolution: 4 - 5 mils.

Blue Poly-2®: A blue, medium thickness emulsion on a 2-mil polyester backing. Combines wide exposure latitude with excellent resolution. Ideal for general screen printing work.

Blue Poly-3®: A blue, medium thickness emulsion on a 3-mil polyester backing. Same as Blue Poly-2, except for the thicker backing, which affords additional dimensional stability and easier handling of large stencils. Slightly less resolution than Blue Poly-2.

Red TI®: A dark red film with a thick emulsion on a 2-mil optically flat polyester backing. Produces a stencil that adheres well to all fabrics, yet has extremely high resolution and definition and wide exposure latitude. Ideal for fine line and halftone work and a wide range of electronic printing applications, especially solder mask.

Hi-Fi Green®: A green, thick emulsion on a 5-mil matte vinyl backing. Ideal for general printing applications. The vinyl support imparts a slightly irregular surface to the stencil bottom, allowing easy lift-off when printing on smooth surfaces under humid conditions. The thick support facilitates the handling of large-format stencils.

Synthetic Polymer-Based Photographic Films

Ulanolux® UP3: A synthetic diazo-sensitized emulsion on a 3-mil optically clear polyester backing. Requires neither chemical developing nor warm water washout. Fast exposing. Excellent adhesion to polyester and all other fabrics. Wide exposure latitude. Can be exposed, washed out (in room temperature or cooler water), and dried for later adhering. Not recommended for use with aggressive solvent inks. Use only Ulano No. 4 Stencil Remover Liquid or Ulano No. 5 Stencil Remover Paste to reclaim the screen.



CAPILLEX Photostencil Films

Autotype Capillex films are easy to use for ultimate stencil profile. Wide processing latitude, consistency and durability produce high-quality prints on every run. The film applications are primarily high-quality graphics such as four-color halftone printing and fine line applications. Inks used for these applications include solvent-based, conventional UV and the new range of water-based UV and graphics inks. The most popular films include:

Capillex CP: (305+ tpi) Specifically formulated for ultra-fine halftone and line printing. You get a controlled stencil profile over a wide mesh. CP can be used with conventional UV and solvent-based inks. Applications: CD, glass, circuits.

Capillex 25: (230-355 tpi) The flagship of the Capillex range, Capillex 25 is world-renowned for its quality, durability and ease of use in quality line printing. Applications: Automotive, glass, membrane switches, circuit.

Capillex 35: (200-255 tpi) A green, solvent resistant capillary film, specially formulated for industrial applications, particularly the electronics industry. Applications: Automotive, ceramics, membrane switches, circuit.

Capillex 50: (90-200 tpi) A capillary film for use on coarse mesh counts. Suitable with all solvent-based and conventional UV inks for high-quality prints to be produced quickly and consistently. Applications: Automotive, ceramics, circuit.

Autotype films are available in standard widths of 24", 41" and 48", in 394" rolls.



Contact Midwest for additional capillary films available from Autotype. We'll help you match the right film to your needs.

Contact Midwest for MSDS and technical data sheets





Ulano CDF® Direct-Film

CDF, the original, diazo-sensitized capillary films for a variety of screen printing applications. Within any CDF film series, thinner films are generally used for finer detail, thinner ink deposit applications on fine screen fabrics, whereas thicker films are used on coarser fabrics when the application demands thicker ink deposits inherent to such fabric/stencil combinations. *Standard roll sizes include: 26" x 150", 26" x 300", 42" x 300" and 48" x 394". Contact Midwest for specific sizes and product availability.*



CDF: Diazo-sensitized capillary films for use with most solvent-based, UV or plastisol inks. Traditional green colored films adhere with water or FX88 emulsion. *Available in thicknesses of 15, 20, 30, 38, 50 and 70 microns.*

CDF/LX: Diazo-acrylic (dual-cure) films intended for use with most solvent-based, water-based or co-solvent inks. Violet films adherable with water or Ulano dual-cure emulsions. *Available in thicknesses of 20, 30 and 40 microns.*

CDF/QT: Intended for printing with plastisol inks on T-shirts and imprinted sportswear items. Extremely fast exposure times make the QT series suited for use with low-power light sources. Adheres with water or QTX® emulsion. *SBQ-sensitized, pink colored films available in thicknesses of 30, 50, 100, 150, 200, 250, 300, 400 and 700 microns.*



CDF/QSR: Fast exposing SBQ/diazo sensitized films intended for use with all solvent-based inks. Magenta colored films adherable with water or QFX® emulsion. *Available in 10, 15, 20, 30, and 40 microns thicknesses.*

CDF/Matrix: A diazo-photopolymer (dual-cure) capillary film series combining exceptional imaging properties, solvent resistance, and ease of use. CDF/Matrix's particulate-size control formulation reduces granularity effects, permitting optimal resolution of fine details and sharp printing shoulders.

Contact Midwest for MSDS
and technical data sheets



Autosol Direct Emulsions

Autosol Direct Emulsions give you unrivaled performance, regardless of the application. Selecting the right product for the job has never been easier! And now most Autosol Direct Emulsions employ the Direct Addition Diazo Method. Simply add the powdered sensitizer directly into the emulsion and stir well. *Most Autotype emulsions are available in: quart, 1-gallon, 5-gallon and 50-gallon drums.*



Autosol ONE

Dual cure direct emulsion, resistant to water, solvents and humidity; wide exposure latitude and translucent color for easy visual registration at the press. Superior mesh bridging, excellent image resolution and printed edge definition.

Solids content: 36-38%.

Autosol 2000

Ideal for high-volume and rapid stencil production. You get fast exposure and very good print quality. It is resistant to solvent based, plastisol and UV-curable inks and offers wide exposure latitude, quick washout (processing). Easily reclaimed.

Solids content: 34%.

Autosol 6000 & 6000CL

High solids content facilitates fast stencil buildup, even on coarse meshes. An excellent all-purpose direct emulsion for the garment printer.

Solids content: 42%.

Autosol 7000

A versatile direct emulsion for use in a wide range of applications and with virtually any screen printing ink system. Resistant to the widest range of inks, including solvent-based, UV-curable, water-based and plastisols with excellent print quality, wide exposure latitude, and humidity resistance. It is very durable for long print runs and is easily reclaimed.

Solids content: 34%.

Autosol 9000

This one-part presensitized photopolymer garment-printing emulsion is ideal for use on coarse meshes, providing very fast exposure times with good exposure latitude.

Solids content: 47%.

Autosol XL

The best value in premium direct emulsions as well as a top performer for fine detail work, process color and high-end industrial applications.

Solids content: 34%.





KIWO offers you a variety of emulsions for all your screen printing needs. Choose from a full line of Diazo-Photopolymer Direct Emulsions, SBQ Photopolymer Direct Emulsions or Diazo Direct Emulsions. Standard container sizes include: quart, 1-gallon, 5-gallon and 55-gallon drums.

Diazo-Photopolymer Direct Emulsions

KIWOCOL POLY-PLUS S & POLY-PLUS Undyed

POLY-PLUS S offers outstanding copying properties and is highly suitable for halftone reproduction up to 85 LPI or other fine detail work. Its solvent-resistance gives it superior strength against most solvents and ink washes, while remaining durable in humid environments. Viscosity sensitized: 6,000 mPas.



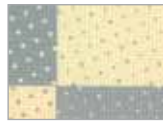
Solids content: 36%.

Also available: POLY-PLUS HWR, Photoemulsion 7123, QUANTUM, POLY-PLUS W and POLY-PLUS HV.

Contact Midwest for additional information.

KIWOCOL POLY-PLUS SRX

The optimized formula of POLY-PLUS SRX offers unsurpassed excellence in resolution for close tolerance work such as halftone reproduction for 85 LPI and higher. The choice for any graphic ink system as well as short runs with water-based graphic ink systems.



Solids content: 38%.

KIWOCOL POLY-PLUS SWR BLUE & RED

POLY-PLUS SWR enables you to reproduce quality printed images with the most popular ink systems. High resistance to solvents and moisture makes a very durable stencil that is suitable for long runs on a wide variety of substrates.



Solids content: 36%.

KIWOCOL Poly Plus Z

Poly Plus Z is both solvent- and water-resistant and is formulated for smooth, easy coating with improved ink release and peel characteristics.

Solid content: 40%.

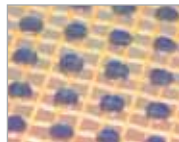
Diazo Direct Emulsions

KIWOCOL 16 RAPID

16 Rapid is a durable, solvent-resistant emulsion system made for general graphics and textile printing.

Solids content: 26%.

Also available: KIWOCOL 225 WR, KIWOCOL 3, KIWOCOL 31 and KIWOCOL 222WR.



Let Midwest assist in matching the right emulsion to your specific screen printing application.

SBQ Photopolymer Direct Emulsions

Polycol NeXT SX7

Advanced formulation offers terrific performance in graphic and textile applications. High resolution, sharp edge definition, and wide exposure latitude make NeXT SX7 the perfect choice for shops that print on a wide variety of substrates and utilize many different kinds of inks.



Solids content: 32%.

Polycol Aqua & Aqua Red

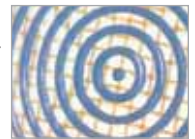
AQUA offers very good resistance to plastisol inks in long print run applications. Its viscosity/solids content balance enables fast emulsion build up in the coating process, with fast exposure. This emulsion can also be made permanent with Hardener AWR for printing long runs with water-based ink systems.



Solids content: 39%.

Polycol Solo

Features very high solids, fast drying times, fast exposure and easy reclaimability and is ideal for textile printers.



Solids content: 40%.

Also available: Polycol NeXT HQ9, Polycol Ultra and Polycol Stack. Contact Midwest for these emulsions and all your screen printing needs.

Polycol One-Coat

This emulsion was specifically developed for screen room efficiency and processing speed. Coating, drying and exposing times are significantly reduced to maximize screen throughput.



Solids content: 44%.

For maximum durability with discharge and water-based inks Polycol One-Coat should be mixed with Diazo D.

Polycol Project, S1 & S2

The tremendous exposure speed is one of the main features of this SBQ-photopolymer emulsion. Designed for use with direct projection systems. Very good water resistance and solvent resistance are paired with low viscosity for easy coating techniques and high solids content for fast emulsion build-up.



Polycol XXL

A high viscosity, one component emulsion specially formulated for screen printing applications requiring thick stencil build-up. Ideal for water-based textile printing and special effects applications.



Solid content: 52%. Only available in 4.5 kg containers.

Contact Midwest for MSDS and technical data sheets





Ulano manufactures a full range of diazo, diazo-photopolymer (dual-cure) and SBQ photopolymer emulsions for all printing applications. With Ulano you get superb resistance to solvent- and water-based inks, sharp image-edge definition, excellent resolution and more! Standard container sizes include: 28 ounces, and 1-, 5-, and 50-gallon units.



Diazo-Photopolymer (dual-cure) Emulsions

Proclaim

Proclaim is formulated to provide unequalled exposure latitude and ease of decoating, even if underexposed and used with aggressive inks and washup solvents. It is multi-purpose, fast exposing, and provides superb resolution and acutance. It is suitable for general purpose graphics, textile, and industrial applications.



Solids content: 37%.

LX Series

LX-630 is a diazo-sensitized, durable, high-quality, dual-cure emulsion with excellent resistance to most ink systems. It is suitable for all general purpose, graphic and industrial applications.



LX-680 is a diazo-sensitized, high-quality, high solids dual-cure emulsion with excellent resistance to all solvent-based and UV inks.

Solids content: 38%

LX-660 is a diazo-sensitized, durable, high-solids content dual-cure emulsion with superior resistance to water-based ink systems as well as most solvent-based inks.

LX-690 is a 42%-solids dual-cure emulsion intended for high-quality graphics, industrial and general purpose printing. The wide-exposure latitude, superb line definition and resolution, and high build per coat make it particularly suitable for fine line and halftone work.

RLX® & RLX®/CL

RLX is a multi-purpose high-speed diazo photopolymer direct emulsion. Its very high solids content provides better stencil build per coat, excellent bridging of coarse mesh, and faster drying. It is resistant to a wide variety of solvent- and water-based ink systems. Recommended for imprinted sportswear, P.O.P., and advertising specialty printing.



TLX®

A multi-purpose high speed diazo photopolymer direct emulsion with a very high solids content provides better stencil build per coat, excellent bridging of coarse mesh, and faster drying. It is resistant to a wide variety of solvent- and water-based ink systems.

Recommended for imprinted sportswear, P.O.P., and advertising specialty printing.

Also available: ALX®.

SBQ Photopolymer Ready-To-Use Emulsions

QX-1

QX-1 is a one-pot SBQ-sensitized dual-cure “hybrid” that combines the convenience, exposure speed, and shelf life of pure photopolymer emulsions with the durability, versatility and imaging properties of dual-cure emulsions.

QTX®

QTX is ultra-fast exposing and formulated for imprinted sportswear applications. Its high solids content provides superior coating properties, better bridging of coarse fabric, and fast drying. QTX resists plastisol and water-based inks.

QFX®

QFX is fast exposing SBQ-formulated for industrial halftone and fine detail graphics printing with solvent inks. You get superb resolution with a high solids content for stencils with exceptional edge definition. Recommended for fine detail and halftone printing. QFX resists most solvent-based inks, is extremely durable, and reclaims easily.

Also available: QPX.

Diazo Direct Emulsions

Ulano 569

Provides high solids content for stencils with superb resolution and excellent edge definition, fine details and halftones. 569 has complete solvent resistance and, thus, affords easy stencil removal. Supplied with powder diazo-sensitizer. *Available in Purple or Clear.*

Ulano 925WR

A pale violet emulsion that offers a higher solids content, high resolution, edge definition, and exposure latitude. Stencils produced with 925WR are completely water-resistant and very durable. 925WR comes with a syrup diazo-sensitizer, for faster and surer mixing.

Recommended for imprinted sportswear applications. *Also available in Clear.*



Contact Midwest for MSDS and technical data sheets

