DOCUMENT
ONLINE

Stencil perfection

Sales range screen printing

ulano

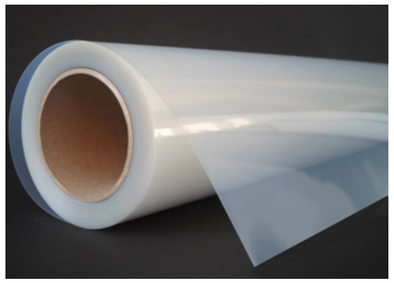
Table of contents

01 Pre-Press & Stencil making

Pre-Press

Pigment Inkjet Film

Films for water-based pigment and dye inks. Instant-dry ink receiving layer. Has the ability to operate in full daylight conditions and is compatible with industry standard pigment or dye inkjet printers.



Pigment Inkjet Film HQ

Pigment Inkjet Film HQ is designed for the production of high quality film templates for screen, flexo, tampo and offset printing. The special treatment and color-absorbing layer provides highest density, edge definition and dimensional stability. It can be processed with dye and pigment inks.

Stencil making

Frame Adhesive Fast

A two-component screen adhesive for a highly chemical resistant bonding of screen meshes to frames made from aluminium, (aluminum) steel, wood and galvanized iron frames. It can easily be applied by brush. Frame Adhesive Fast is fast drying and after curing resistant to almost all screen printing inks and most cleaning agents. The adhesive film does not embrittle and does not cut the mesh if some of the adhesive has been brushed into the screen surface.

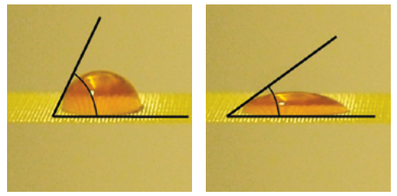
Frame Adhesive Catalyst Fast

Frame Adhesive Catalyst Fast is a green coloured hardener for Frame Adhesive Fast.

02 Mesh pre-treatment

Magic Mesh Prep

Magic Mesh Prep is a ready-to-use liquid combining the properties of fabric degreaser, wetting agent, and antistatic treatment. It improves the flow characteristics of liquids, facilitating more uniform coating of direct emulsions and the easier transfer of ink during printing, thereby improving printed image quality. The improved wetting of fabric also promotes the adhesion of indirect and capillary films and improves the durability of all stencil systems, for longer printing runs. The antistatic properties of Magic Mesh Prep reduce the whiskering and feathering of ink when printing under low humidity conditions.



without *with*

Screen Degreaser Concentrate (1:10) No. 33

A concentrated degreaser solution (1.10) that remove dirt, dust and oils from all fabrics, new and used. Perfect for export and price-conscious customers.

Degreaser Concentrate (1:50)

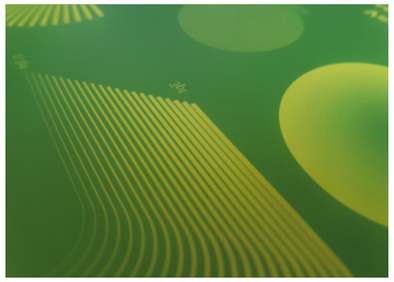
A highly concentrated, acidic degreasing concentrate. Diluted up to 1:50 with water, the ready-to-use cleaning solution has excellent degreasing and wetting properties and is suitable for any mesh type. Screen degreasing concentrate has especially been developed for automatic screen washing units. It produces little foam and is a phosphate-free tenside combination for the removal of grease and dirt.

03 Photoemulsions

Dual-Cure emulsions

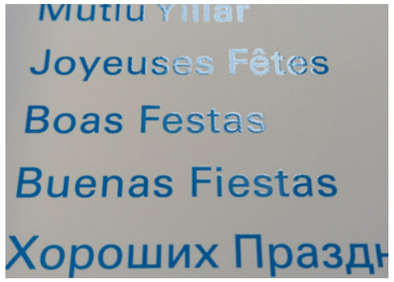
DLX

DLX is formulated to reduce the acrylate odor and eliminate the surface oiliness that are characteristic of most dual-cure emulsions, especially under hot and humid conditions. As a result, positives are less likely to stick to the emulsion surface. Because of its high solids content, DLX dries rapidly. It is a brilliant blue color, so stencils are easy to inspect on white or colored fabric. Solids: 37%, Viscosity: 9.100 mPas.



LX 660 Red / Blue

LX 660 is a versatile and durable diazo-photopolymer (dual-cure) emulsion with superior resistance to water-based ink systems, as well as many solvent- based inks. It is suitable for virtually all general purpose graphics and industrial applications. LX 660 is available in red and blue colour. Solids: 36%, Viscosity: 7.000 mPas.



LX 892

LX 892 is used for the production of high-quality, water and solvent resistant screens for ceramics direct and textile printing stencils. The print run resistance can considerably be increased by chemical hardening with ULANO Hardener. Before hardening, LX 892 is decoatable with ULANO Chemical Line products. Available in Blue or Violet colour or colourless. Solids: 48%, Viscosity: 12.200 mPas.

Proclaim

Proclaim is a diazo sensitized, high quality, all-purpose dual-cure emulsion with total resistance to all solvent based and UV inks. It is very suitable for high quality graphics and industrial printing and for all general purpose, graphic and industrial applications. Resolution and edge definition are excellent, which makes it ideal for fine line and half tone printing. Proclaim is green coloured and very easy to reclaim. Solids: 35%, Viscosity: 7.300 mPas.

Proclaim HR

Proclaim HR is a high resolution diazo-photopolymer (dual-cure) emulsion formulated to provide unequalled exposure latitude and ease of decoating, even if underexposed and used with aggressive inks and washup solvents. Proclaim HR is multi-purpose, fast exposing, and provides good acutance. It provides good stencil build per coat, excellent mesh bridging, and fast drying. Proclaim HR is very suitable for demanding graphics, electronics, and industrial applications. Solids: 35%, Viscosity: 7.500 mPas.

Proclaim EC

A diazo-free, ready-to-use dual-cure emulsion. It does not require the mixing of a diazo powder with water, the stirring of diazo solution into the emulsion, or any waiting time for de-bubbling. Unequalled exposure latitude and ease of decoating, even if underexposed and used with aggressive inks and solvents. Solids: 32%, Viscosity: 4.100 mPas.

RLX

Multi-purpose diazo/acrylic photopolymer screen emulsion. RLX has broad exposure latitude, superior edge definition and resolution, and resistance to a wide variety of solvent- and water-based ink systems. RLX also possesses excellent coating properties, mesh bridging, stencil build per coat, drying speed, and durability. It has a high-contrast magenta color with superior resistance to humidity. Solids: 37%, Viscosity: 7.200 mPas.

SBQ emulsions

CTS Fast Red / Blue

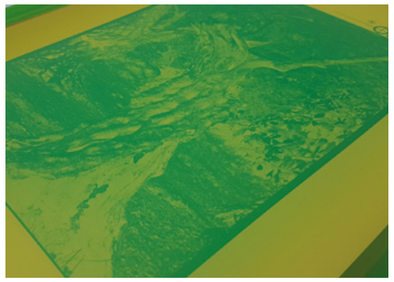
Very fast, pure photopolymer screen emulsion for flat engraving with DMD Computer-to-Screen exposure systems. Intended for high resolution graphic or industrial screen printing with solvent based or UV-inks for the production of general large-format work, such as posters, outdoor advertising, and other large-scale applications. The very fast exposure speed of CTS Fast makes it ideal for pixel exposures – and, in turn, allows faster throughput, as well as savings on expensive CTS bulbs. Red or blue colored. Solids: 34%, Viscosity: 6.000 mPas.

QX 3

QX 3 combines the properties of a dual cure with the advantages and speed of an SBQ. It is a very versatile product. QX 3 is a fast, ready to use direct emulsion for graphic and industrial screen printing with solvent, UV-conv. and UV-water based inks with a high resolution (up to 52 L/cm or 60 micron lines). It offers also a good mechanical resistance which makes it suitable for glass printing as well. Blue colored. Solids: 35%, solids: 7.000 mPas.

QX 5 Red / Blue

Universal, ready-to-use, ultra-fast-exposing SBQ-photopolymer direct emulsion. Its high viscosity provides good coating control. Its high solids content results in better mesh bridging on coarse mesh, and fast drying. QX 5 is resistant to plastisol inks, most washup solvents, and some water-based inks, making it easy to reclaim in automatic stencil removal equipment or by hand. Stencils made with QX 5 are extremely durable and will not become tacky under high humidity conditions. It is formulated to reduce stencil-making time in shops with high stencil throughput and its fast exposure speed will also be of interest to low volume printers with weak light sources. Solids: 41%, Viscosity: 4.100 mPas.



QX 6

Universal SBQ-dual cure emulsion with superior resolution for industrial graphics and electronics printing (PCB and conductive traces), compatible with UV and virtually all solvent-based inks. It is formulated for sensitivity to UV and near-UV-visible blue light, by means of UV-LED- and laser-based CTS-exposure. It can be also exposed with traditional metal halide light sources. QX-6 features very fast exposure speed, while offering excellent exposure latitude. It provides non-tacky surfaces, high humidity resistance, and good durability with easy reclamation. It features excellent resolution, good edge definition, and very good wet strength. Solids: 35%, Viscosity: 5.200 mPas.

Photoemulsions for textile printing

925 WR-P

925WR-P is a pale violet emulsion formulated for use with water-based textile inks. It produces tough stencils with total water resistance, as well as excellent resolution and superb edge definition. Screens made with 925 WR-P are easily reclaimable. Solids: 41%, Viscosity: 6.800 mPas.

Orange

Orange is a ready-to-use, ultra-fast exposing SBQ-photopolymer direct emulsion formulated for imprinted sportswear printing. Its high solids content and viscosity improves control when coating screens by hand and makes Orange a good choice for coarse mesh. The orange color of Orange "masks" halation and light scattering significantly, thereby improving resolution. With Orange, one does not require more expensive dyed mesh. Orange resists plastisols, most washup solvents, and some water-based inks. Solids: 44%, Viscosity: 4.600 mPas.

Platinum Violet

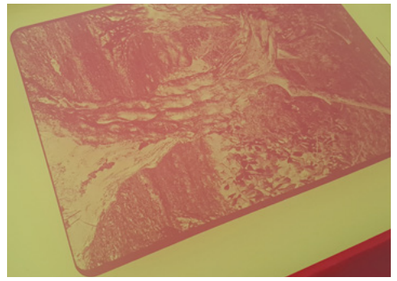
Platinum Violet is a ready-to-use, SBQ-photopolymer direct emulsion for textile / imprinted sportswear printing with plastisol and water-based inks. Platinum is formulated for compatibility with CTS (computer-to-screen) exposure, and automated washout and reclaiming equipment. Its high viscosity and solids content provides good coating control, even on coarse mesh. Solids: 40%, Viscosity: 6.000 mPas.

QLT

QLT is a high-resolution, ready-to-use, fast-exposing SBQ-photopolymer emulsion formulated for imprinted sportswear printing. Its high viscosity provides good coating control and its high solids content results in better mesh bridging on coarse mesh, and fast drying. Its high contrast blue color affords easy stencil inspection. QLT is resistant to plastisol inks and most washup solvents, making it easy to reclaim in automatic stencil removal equipment or by hand. Stencils made with QLT are extremely durable and will not become tacky under high humidity conditions. QLT is formulated to reduce stencil-making time (coating, drying, and exposure) in shops with high stencil throughput. Its fast exposure speed will also be of interest to low volume printers with weak light sources. To increase the water resistance, an optional diazo is available. Solids: 41,5%, Viscosity: 6.200 mPas.

QT-Discharge

QT-Discharge is specially formulated to resist discharge inks, and is compatible with water-based and plastisol inks, too. It has a high solids content and viscosity, providing good stencil build per coat, excellent mesh bridging of coarse mesh, and fast drying. QT-Discharge, red in color for easy stencil inspection, is supplied with diazo powder. Solids: 47%, Viscosity: 5.800 mPas.



QTX

QTX is a red coloured, ready-to-use, ultra-fast exposing SBQ photopolymer direct emulsion formulated for imprinted sportswear applications. Its high solids content provides superior coating properties, better bridging of coarse mesh, and fast drying. QTX is designed for plastisol inks, is extremely durable and reclaims easily. Solids: 46%, Viscosity: 5.300 mPas.

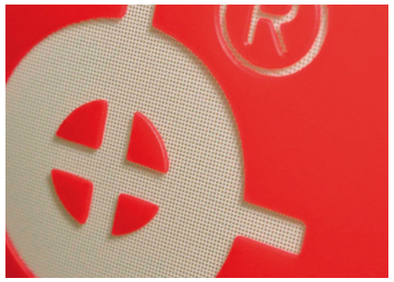
QXO

QXO is a ready-to-use, extremely fast exposing SBQ-photopolymer direct emulsion formulated for imprinted sportswear printing. It resists plastisol inks – including newer, more aggressive, post-phthalate plastisols – and most washup solvents, making it exceptionally easy to reclaim in automatic equipment or by hand. It is formulated with a "masking color" that reduces light scattering – the major cause of loss of resolution. QXO is especially efficient with fixed or scanning LED units, as well as with fluorescent tubes or other low intensity light sources, or in shops that need high stencil making throughput. Solids: 43%, Viscosity: 5.300 mPas.

High-Density emulsions

QT-Thix

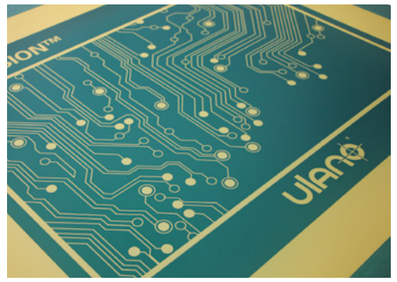
A red coloured, presensitized, extremely high viscosity emulsion for high density printing and other thick ink applications using plastisols, water-based or mild solvent inks. It's very high solids content is ideal for ultra-thick ink deposits. Even very thick, QT-Thix stencils hold print details very well. QT-Thix is easy to reclaim. Solids: 52%, Viscosity: 25.000 mPas.



04 Capillary films

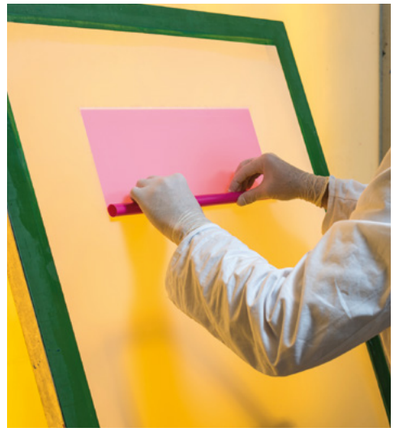
CDF Vision (15, 18, 20, 25, 30, 35, 50)

CDF Vision is a green coloured diazo dual-cure capillary film. Its special formulation controls mesh penetration and enhances photo-polymerization, resulting in sharp printing shoulders and mechanical durability. Particulate-size control reduces granularity effects for optimal resolution and definition. Texturing agents impart a micro-structural pattern to the bottom of the stencil, minimizing hydrostatic attraction to the printing stock under conditions of high humidity, and electrostatic attraction under low humidity conditions. CDF Vision is compatible with UVs, vinyls, and virtually all solvent-based inks. Depending on the thickness selected, it is suited to such printing applications as: PCB and membrane switches, halftones, labels, ceramic decals, posters, Displays, bottles etc.



CDF Vision Plus (18, 25)

Diazo dual-cure capillary films formulated to resist polishing in the roll and fingerprints under high humidity conditions, and under low humidity curling in the shop. CDF Vision Plus series is fully compatible with UV inks, vinyl inks, and virtually all solvent-based inks. Enhanced cross-linking yields sharp printing shoulder and mechanical durability. Easy to reclaim with minimal minimal to no haze upon stencil removal. CDF Vision Plus 18 is brown, CDF Vision Plus 25 is violet coloured.



CDF Lexar (15, 20, 30, 40, 50)

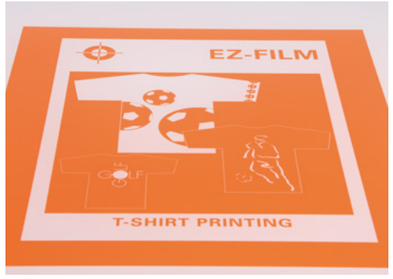
CDF Lexar utilizes SBQ (pure photopolymer) and is formulated for use with solvent-based inks. CDF Lexar is easy to reclaim and well suited to the printing of flat-stock graphics, plastisols for textiles, POP displays, computer-to-screen (CTS), containers, printable adhesives, and advertising specialties. The red film is coated on a matte surfaced polyester. This imparts a slight texture to the printing surface of the stencil, thus minimizing hydrostatic attraction to the printing stock under conditions of high humidity, and electrostatic attraction under low humidity conditions.

CDF QT-Thickfilm (100, 150, 200, 250, 300, 400)

CDF QT-Thickfilm is ideal for the production of thick stencils for specialty printing needs, including high density, puff, and lenticular effects for imprinted sportswear; peelable solder masks in the electronics industry; false mosaic and leading effects for glass and ceramic decorating, screen printed gaskets and seals; braille and many other manufacturing and decorating applications requiring ultra-thick ink deposits with non-aggressive solvent inks and pastes. CDF QT-Thickfilm is red coloured.

EZ-Film (30, 50)

EZ-Film is ideal for standard textile printing using conventional, non-aqueous garment printing inks. It is priced to be an economical alternative to direct emulsion in material cost and because it offers significant savings in labor and production time. EZ-Film 30 Red and EZ-Film 50 Orange are pure photopolymer (SBQ), pre-sensitized capillary films. EZ-Film 30 Red is appropriate for halftone work and EZ-Film 50 Orange is for general sportswear printing.



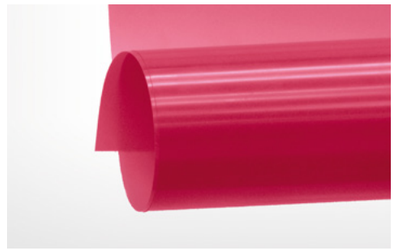
05 Indirect films

Quasar Red 100

An easy-to-use indirect system photographic stencil film with wide processing latitude, excellent edge definition, and high resolution; suitable for a wide range of applications, including graphics and electronics.

Red TI

A dark red film with a thick emulsion on a 50 micron optically flat polyester backing, ideal for fine line and halftone work. Produces a thick stencil that adheres well to all meshes, yet has extremely high resolution and definition and wide exposure latitude.



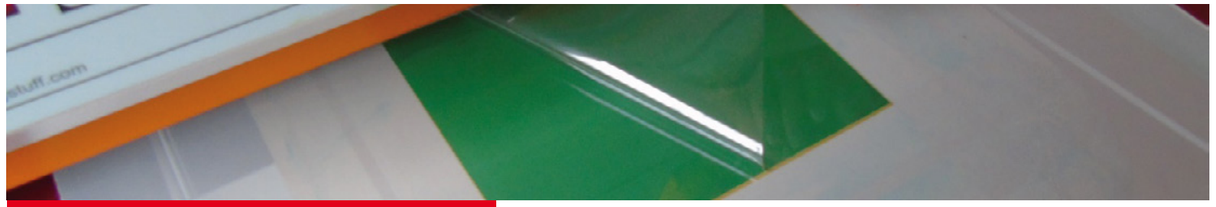
06 Screen Fillers

Screen Filler No. 60

A water-soluble block-out for use with fine to medium mesh counts. 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.

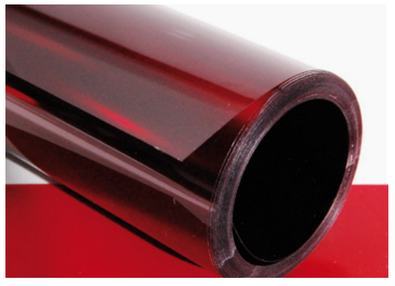
Extra Heavy Block Out No. 10

A heavy, water-soluble blockout with fast drying characteristics. The high viscosity affords easier handling and generally assures effective coverage in a single coating. Especially useful with coarse mesh. Can be used for touchups 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.



07 Masking & knife-cut films

Universal Rubylith



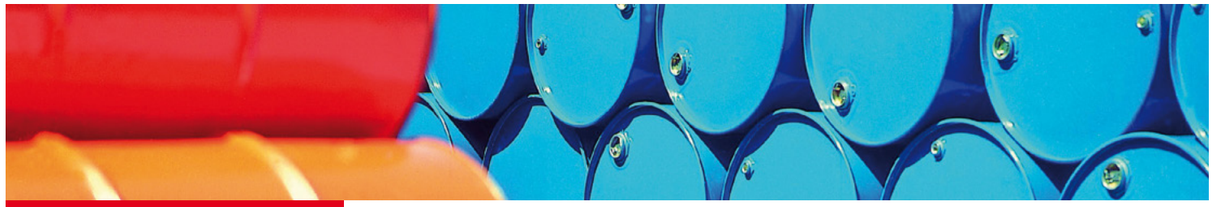
Universal Rubylith is a red masking film, which is suited for use with orthochromatic films. It is "safe" for use with camera speed darkroom films as well as indirect gelatin stencil films and diazo, diazo acrylic, or SBQ sensitized stencil films or emulsions. Universal Rubylith is primarily used in the camera and plate making operations for offset lithography, flexography, gravure, and screen processes where orthochromatic films and plates are used. Rubylith has a single tack level and is coated as RU3 on 3 mil (75 µm) and RU5 on 5 mil (125 µm) polyester.

Cut Green

Cut Green is a water-soluble knifecut stencil films. The emulsion layer "sticks back" to the polyester for corrections. The films are adhered to screen fabric with plain water. The films are compatible with all inks except those containing water. In addition to color, the films differ in their adhesive or tack level. Cut Green has a stronger adhesive, making it a better choice for cutting detailed stencils.

Sta-Sharp S3S

New formulation solvent-adhered knifecut stencil film; VOC-free; for use with water- based and mild solvent inks.



08 Screen cleaning

Manual cleaning

Press Wash

Solvent-based ink wash for manual usage "on-press-cleaning". Press Wash is a solvent blend that can be used to remove most screen process ink from screens, squeegees, printing tables etc. It has a mild odour, does not contain halogenated hydrocarbons, and will not affect most capillary films and direct emulsions.

Automatic cleaning

Cleanmatic MF 12-2

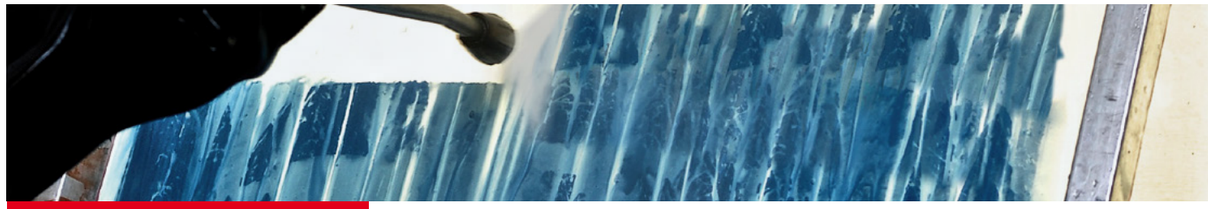
A non hazardous water dilutable ink wash for solvent based inks, UV inks, plastisols and water-based inks for manual use or use in automatic cleaning units. Cleanmatic MF-12-2 can be diluted up to 4 times with water when used for the removal of plastisol or UV inks. Mixed with Stripmatic CF, a non hazardous stencil remover concentrate for manual use or use in automatic cleaning units, it removes ink and emulsion in one step.

SV 8

An universally applicable screen cleaner for the removal of commonly use non-hardened inks from the screen mesh. Especially for the use in in-line cleaning units. SV 8 is biodegradable, very mild in odour, has a high flash point and can be used for a very long time in the cleaning bath. Among others SV 8 is especially suitable for cleaning UV and solvent based inks, as well as plastisols.

SV 61

A solvent-based washup solution formulated for use in automated screen cleaning equipment. It is effective in removing paper, UV, glass, plastisol, solvent based and ceramic inks. SV 61 can be used under vacuum and is also suitable for manual usage.



09 Screen decoating

Stencil Remover Paste No. 5

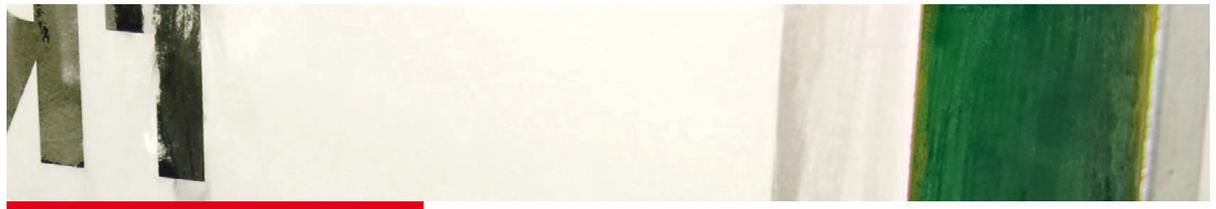
A ready-to-use paste for fast and thorough removal of direct emulsions and capillary films from all types of fabric including metalized polyester. Will not etch fabric; contains no strong alkalis or hypochlorides. Odor free. Thick consistency affords somewhat easier handling for larger screens.

Stripmatic CF (1:20)

A concentrated liquid (max. 1:20) formulated for use in automated equipment to remove direct emulsion and capillary films from screen. Stripmatic CF is acidified and contains special stabilizers to prevent the formation of precipitants if it is diluted in "hard water." It does not contain bleach, will not attack stainless steel, and has minimal effect on synthetic screen fabric. Stripmatic CF is odorless and colorless.

Stencil Remover Concentrate (1:50)

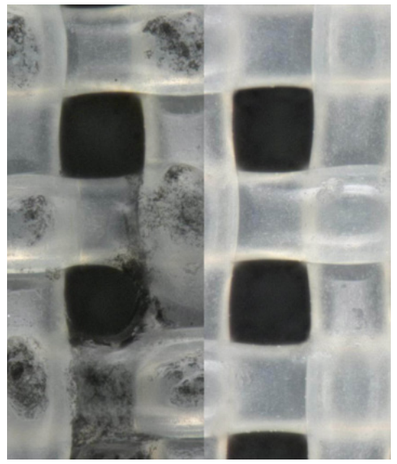
A highly efficient, liquid decoating concentrate (up to. 1:50) for the removal of direct emulsions and capillary films from screens. Stencil Remover Concentrate (1:50) has especially been developed for automatic screen decoating units and does not crystallize in the units or tanks due to special stabilizers. It has no attack on stainless steel. Stencil Remover Concentrate (1:50) solutions are colorless and without odor, chlorine free, have very little attack on the mesh and do not bleach.



10 Mesh Post Treatment

Ghost Remover Advance

Ghost Remover Advance is formulated for the effective removal of ink haze, ghost images, and fabric stains – especially those caused by diazo sensitizers. There are no dwell time restrictions for Ghost Remover Advance on polyester fabric. On nylon or stainless steel fabric, however, the dwell time should not exceed 1 hour. Stainless steel that has been cleaned or treated with other screen chemicals may have been damaged, so that the dwell time of Ghost Remover Advance may need to be reduced. The viscosity of Ghost Remover Advance is helpful on coarse fabric, where it can continue to react during extended dwell times.



Actighost Rapid Gel

A viscous, alkaline screen cleaner utilizing biodegradable solvents. It is intended to be used after normal stencil decoating to remove any ink ghost images. It can also be used as an activator with oxidizing agents (such as Ulano Ghost Remover Advance) to remove emulsion residues. Actighost Rapid Gel is virtually odor free and has a high flash point. Its high viscosity facilitates its use on coarse mesh and its application to fabric using a coating trough or brush. In normal use, Actighost Rapid Gel is sufficiently diluted with water so that it can be flushed harmlessly down the drain and into biological sewage treatment facilities.

Ghost Remover Paste

Alkaline cleaning paste for universal use in screen printing. Especially suitable in combination with an organic-solvent for the removal of ghost images, ink and photoemulsion residues. Ghost Remover Paste can also be used as a roughening agent for new aluminum frames which have not been sandblasted.

About ULANO

ULANO is recognized as a world-class leader in the screen printing and graphics arts industry. Our administrative and manufacturing facilities are in Wiesloch (Germany) and Brooklyn (USA) where we also have research and development laboratories, applications laboratories, and technical training centers. Besides that ULANO has also an Asian regional office in Singapore.

ULANO specializes in the manufacture of stencil-making products and chemicals for screen process printing. We also supply masking films, inkjet media, automated coating equipment, and stencil evaluation tools.

Interested?

To find out more about ULANO and our range of products, please visit our website www.ulano.eu or contact us by phone or email.

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