



Northwest Graphic Supply Co.
4200 East Lake St. Minneapolis, MN 55406

(612) 729-7361
(800) 221-4079
Fax (612) 729-6647
Fax (800) 544-7022

WELCOME!

It is with great pride and pleasure that we present our new Screen Printing Catalog. We feel that this extensive listing of products represents the most complete range of supplies and equipment available in the upper midwest. At Northwest Graphic Supply Company, we are known for our technical support, our knowledgeable staff, and our commitment to customer service. We are very grateful for your patronage, and we will continue to make every effort to serve you well.

As you use this catalog, we know that you will appreciate our updated format. Our product descriptions are more complete than those normally found in screen printing catalogs. Wherever possible, products are listed generically instead of by brand only. This allows you to compare products and value at a glance.

It is our hope that this catalog will become a valuable tool for the screen printer. We strive to provide the best service available anywhere. Northwest Graphic Supply Company always welcomes your comments on how we might improve our service or add to our product line. We hope that you will allow us to serve you.

Sincerely,

Alan D. Puder
President

ORDERING INFORMATION

Call our phone sales staff at (612) 729-7361 for any inquiries you may have about our products, whether it be to order, check on pricing, technical information, or stock. This information and order entry are fully computerized. Everything is done as you speak so your order is shipped ASAP. When calling long distance, our toll free number, 1-800-221-4079, will save you money.

ORDERING TIPS:

- 1) Please have your Northwest Graphics customer number ready. You may find this number on previous shipping tickets or invoices, and will speed the processing of your order.
- 2) Use the Northwest Graphics item number when ordering. In order to simplify ordering, we have, whenever possible, used the manufacturer's numbering system with a letter prefix. This means that for re-ordering, most of the numbers can be taken right off of the package and help eliminate mistakes. Please give complete information when ordering, including: complete catalog number, description, size, color, quantity, and any other information that would be helpful. Remember, the complete catalog number refers to only one item. Using it will help eliminate confusion, delay, and get you the item that you want.
- 3) Have your purchase order number ready if you use one.
- 4) FAX in orders to save time and better communicate specific instructions. Our FAX number is (612) 729-6647 or (800) 544-7022.
- 5) Indicate any specific shipping instructions.

WILL CALL

You may pick up orders in person between 8:15 a.m. and 5:00 pm., Monday through Friday. We encourage you to call your order in ahead of time so we can serve you more quickly.

MINIMUM ORDER

There is a minimum order policy of \$25.00 net. Orders for less than \$25.00 net will be subject to a \$2.50 service charge. There is no minimum order for Will Call/Cash purchases.

PRICES

Although there are no prices listed in this catalog, any printed or verbal prices are subject to change without notice. All shipments will be billed at prevailing prices at time of shipment. Upon request, we will be happy to quote firm prices just prior to shipment.

SHIPPING

Please specify how goods are to be shipped (freight line, UPS, SPEE-DEE, etc.) at time of ordering. In the absence of specific instructions, we will use our best judgement to find a combination of the least expensive, fastest, and best means of the merchandise arriving undamaged. All shipments are F.O.B. our warehouse in Minneapolis, Minnesota. Freight charges are the responsibility of the customer, all shipments are shipped freight collect except for U.P.S. and Parcel Post which are shipped prepaid with freight added to the invoice. Local truck delivery with our truck is free of charge.

CREDIT

We welcome new accounts! We do require that our credit application be filled out completely. This form requires three commercial references from companies that you have a current account with (do not use oil companies, department store accounts, or national credit cards, as they do not give out credit information). The form also requires your banking reference and explains our terms including your agreement to pay any reasonable costs of collection for past due accounts.

VISA/MASTERCARD

For your personal accounts Visa or Mastercard is accepted. Please have your card number and expiration date ready. For commercial accounts, a 3% credit card fee will be added.

CLAIMS & LIABILITIES

WE CANNOT BE RESPONSIBLE FOR GOODS LOST OR DAMAGED IN TRANSIT, INCLUDING DAMAGE BY FREEZING. Our responsibility ends with safe delivery of orders to the carrier. Claims must be placed with the carrier immediately. Any claims for shortages must be made within five days. Before reporting shorts, all packing material and cartons should be carefully checked. We exercise a great deal of care, including double checking of all shipments, to insure that orders are filled correctly. Most suspected shorts are found in a careful recheck. Northwest Graphic Supply Co. cannot be held responsible for illness or injury, nor for the alleged value of any work spoiled by the use or misuse of any product that we handle. It is the user's responsibility to make sure that products are suited to his or her particular requirements.

RETURNS

Merchandise cannot be returned without one of our return authorizations. Authorized returns must be Prepaid, and will be subject to a minimum 20% restocking charge. Special order items that we do not stock cannot be returned. No returns will be authorized on merchandise that has been cut, ruled, imprinted, priced, marked, soiled, or shop worn. Should anyone ship us goods without a return authorization, if any credit is allowed, a minimum 25% restocking charge will be made.

TERMS

Our terms are Net 30 Days on established accounts.

C.O.D. SHIPMENTS

We will ship C.O.D. orders on request. First orders from anyone applying for credit will also be shipped C.O.D.

UNLISTED ITEMS - SCREEN PRINT MATERIALS

We have available many items that are not listed in this catalog. Please contact us for your special needs. Screen printing supplies and equipment are covered in a special catalog that is available on request. If we cannot supply an item, we will try to give you the names of vendors that can.

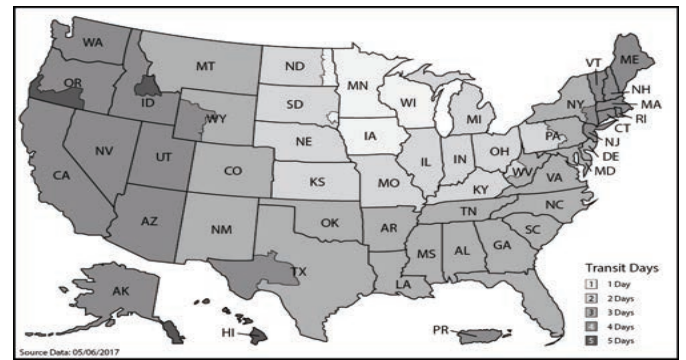


UPS NEXT-DAY Ground Delivery Service

This reference guide lists zip codes served by UPS ground service from your shipping location. Simply look up the full five digit ZIP Code. If the ZIP Code is shown, UPS will deliver the package on the next business day. If the ZIP Code is not shown, please refer to the map of the United States, to determine the UPS ground service time.

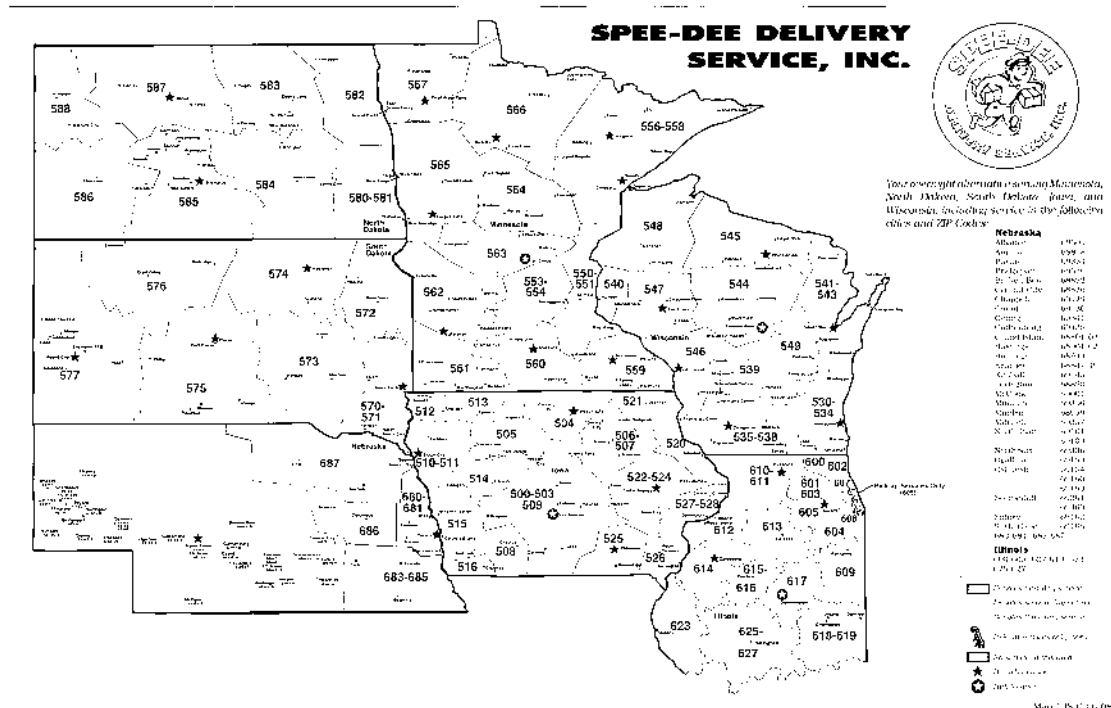
STATE	ZIP CODES SERVED NEXT-DAY
Iowa	50001, 02, 09, 15, 21, 28, 32, 35, 47, 53, 54, 61, 63, 69, 73 50109, 11, 18, 25, 31, 38, 45, 60, 66, 68-70 50208, 11, 14, 25, 26, 28, 32, 37, 61, 63, 65 50301-50499 50510-15, 17, 22, 27, 28, 31, 36, 39, 40, 46, 50, 53-56, 59, 60, 62, 64, 65, 68, 73, 74, 76, 78, 80, 85, 88-90, 92, 93, 97, 98 50603, 05, 11, 16, 20, 25, 28, 33, 36, 40, 45, 53, 59 51002, 05, 09, 12, 14, 22, 29, 33, 35, 37, 46, 47, 58 51201, 31, 32, 36, 38, 45, 48, 49 51301-99 52101-99 55953
Minnesota All	
North Dakota	58001-71, 73-99 58101-99 58201-09, 12-25, 27-31, 33-38, 40, 41, 43-47, 49-53, 56-58, 61, 62, 64-68, 70, 71, 73-82
South Dakota	57003, 15, 12-16, 18-22, 27, 30, 32-36, 39, 43, 47, 48, 53, 55, 56, 60, 64, 68, 70, 76, 77 57101-18

Wisconsin	54001-99 54128, 38, 50, 75 54401-99 54501-26, 29-31, 37-42, 48, 52-56, 58, 60-64, 66, 68 54601-25, 27, 29, 30, 32-51, 53, 56, 58-72 54701-99 54801, 05, 10-13, 17-38, 40-45, 47-49, 53, 54, 58-89, 93-96 54909, 21, 28, 30, 43, 45, 46, 48, 50, 60, 62, 65, 66, 70, 77, 78, 81, 82, 84
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SPEE-DEE DELIVERY SERVICE, INC.

Your overnight alternative serving Minnesota, Iowa Northern Illinois and Wisconsin, and two day service to Southern Illinois and parts of Nebraska



612-729-7361 ---- Phone
612-729-6647 ---- Fax

nwgraphic.com

800-221-4079 ---- Toll Free Phone
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Textile Ink Use Chart														
		Cotton	Cotton/ Poly	Transfer Cold Peel	Transfer Hot Peel	Denim	Fleece	Pennants	Nylon Woven	Nylon Mesh	Lycra	Polyester Jerseys	Dar Colors	Light Colors
PLUE	Ultrasoft Plastisol	•	•	•	•	•	•	•	X					•
500	Lancer Direct Print	•	•	•		•	•	•	X					•
PADE	Maxopaque Plastisol	•	•		•	•	•	•	X			•	•	•
550	Lancer High Opacity	•	•	•		•	•	•	X				•	
MIXE	Mixopaque Plastisol	•	•		•	•	•	•	X			•	•	•
551	Color Pro Matching	•	•	•		•	•	•	X			•	•	•
ATHP	Polyester L/B Plastisol		•			•			X			•	•	•
1550	Sportpro Athletic Ink	•	•			•		•	X	•	•	•	•	•
UPLC	Low Cure Plastisol		•									•	•	•
PATE	Athletic Nylon Plastisol	•	•	•	•	•		•						•
PRPE	Matching Plastisol	•	•	•	•	•		•						•
600	Lancer Process Inks	•	•	•	•	•		•						•
PLPE	Puff Plastisol	•	•			•	•	•					•	•
400	Super Elongation	•	•			•				•	•	•	•	•
3DSE	Hi-Square Plastisol	•	•			•							•	•
PAGE	Metallic Plastisol	•	•	•		•	•	•					•	•
PLSE	Suede Plastisol	•	•			•	•						•	•
REFE	Reflective Plastisol	•	•			•								•
825	Foam Frip	•	•							•			•	•
DSPCH	Plasticharge	#						#						
LNX	Evolution	•	•	•									•	•
AQP	Aquasoft	•	•			•	•	•		•				•
ATEX	Union Water Based	•	•			•	•	•						•
	MATSUI Aqueous Ink	•	•			•	•	•						•
STI	Silicone	•	•			•	•	•				•	•	•

X With the addition of Nylon Bond nylon bonding agent

For use with dischargeable fabrics only!

ALWAYS TEST PRINT BEFORE PRODUCTION

WHITE AND BLACK PLASTISOLS

Union PLHE Series

HIGH-OPAQUE LOW-BLEED WHITE INKS

PLHE-1075 BRIGHT WHITE is the new premium version of Diamond Bright White. It is an excellent low bleed white ink formulated for printing with both manual and automatic presses. PLHE-1075 flash cures quickly for high production speeds, and has outstanding low bleed qualities. Ideal for cotton/polyester blends that have a tendency to bleed into the ink. Prints remain smooth when cured at higher temperatures. Excellent opacity on dark garments.

PLHE-1070 DIAMOND BRIGHT WHITE Union's fine low-bleed white, formulated for excellent printing characteristics both with manual and automatic presses. Diamond Bright White flash cures quickly for high production speeds, and has outstanding low bleed qualities. Ideal for cotton/polyester blends that have a tendency to bleed into the ink. Excellent opacity on dark garments.

PLHE-1060 Eclipse Low Bleed White is a high opacity, low tack formulation which allows printing through finer mesh counts without the need for a viscosity modifier. PLHE1060 has good low bleed characteristics for printing on poly/cotton blends. Use as an underlay where great opacity and good fiber mat down is needed, as a stand-alone white, or a highlight white. Finish: Satin

PLHE-1050 Mercury Low Bleed White for Poly/Cotton Blends - Softer Print is designed for maximum smoothness and opacity on poly/cotton fabrics. Mercury LB White has excellent matting characteristics and a creamy consistency. PLHE1050 is fast flashing allowing for shorter dwell times and faster production rates. This low bleed white ink is great for both manual and automatic presses. Use as a highlight, a stand alone or underlay white. Finish: Satin

Available in 55 Gal., 30 Gal., 5 Gal., Gal., Qt.

UPLHE-1075	Bright White Non-Phthalate
UPLHE-1070	Diamond Bright Wht Non-Phthalate
UPLHE-1060	Eclipse White Non-Phthalate
UPLHE-1050	Mercury White Non-Phthalate

Union MIXE Series

MIXOPAKE SUPER WHITE INK

Mixopake Super White is Union's highest opacity white. This ink can be used for color matching with other inks, or as a stand alone white. Use Mixopake Low-Bleed White (UMIXO-1055) for fabrics containing polyester. A finished, ready to use ink (not a concentrate).

Available in 55 Gal., 30 Gal., 5 Gal., Gal., Qt.

UMIXE-1000	Super White
UMIXE-1055	Low Bleed White

Union ATHP Series

ATHLETIC WHITES FOR POLYESTER

Polyester White is Union's ultimate, high opacity, low bleed white formulated to help fight dye migration on 100% polyester athletic uniforms or other synthetic substrates prone to dye migration.

ATHP-1070 Premium Low-Bleed offers printers a low bleed ink with easier printability once the initial viscosity is broken down by stirring, increased whiteness, and better post bleed properties after the ink film is fully cured. Non-Phthalate

ATHP-1060 Cosmic Poly White 100% for Polyester Performance Fabrics is a good low temperature white with great opacity, when combined with Cosmic Barrier Grey ATHP1550 as an underlay, has the best low temperature dye migration resistance on all 100% polyester performance fabrics in the market today. These distinctive low temperature cure inks have amazing stretch and recovery giving the prints a soft supple hand.

Available in 55 Gal., 30 Gal., 5 Gal., Gal., Qt.

Union PADE Series

MAXOPAKE WHITE INKS

MAXOPAKE-1027 is a highly opaque white plastisol. **MAXOPAKE-1030** is Union's Finest Cotton White. Both are recommended for direct manual or machine printing (wet-on-wet or single color) on black and very dark colored garments. May be used as a highlight or stand alone white. Use 1027 for printing on cotton fabrics.

MAXOPAKE-1040 100% Cotton -Lunar Cotton White is an easy printing high opacity white with excellent coverage and mat down on dark garments. It has a satin finish. The low tack formula allows printing through finer mesh counts without the need for a viscosity modifier. Use as an underlay where good opacity is needed, as a highlight white. Print Lunar Cotton White through a wide range of mesh depending on the desired outcome expected. Printing through the finer mesh counts gives the softest hand smoothest print with good opacity.

Available in 55 Gal., 30 Gal., 5 Gal., Gal., Qt.

UPADE-1027	Finest Cotton White
UPADE-1030	Bright Cotton White
UPADE-1040	Lunar Cotton White

MAXOPAKE EZ PRINT WHITE INK

MAXOPAKE-1062 has an extremely bright and purer white appearance as well as a smooth surface. EZ Prints low viscosity, fast flashing, and low after tack characteristics make it the perfect choice for high production printing. Has good bleed resistance.

Available in 55 Gal., 30 Gal., 5 Gal., Gal., Qt.

UPADE-1062	EZ Print White
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WHITE AND BLACK PLASTISOLS

Union PATE Series

ATHLETIC GLOSS WHITE INKS

Formulated to provide gloss finish opaque prints with high deposits and excellent opacity. Recommended for printing large numbers, letters, and designs on cotton and cotton/poly athletic garments as well as nylon mesh jerseys. Also, for many of the new stretch fabrics used in active wear (bathing suits, cycling suits, dance wear, etc.) such as Lycra, Spandex, etc. where great elasticity and toughness is required. PATH Series inks must be heat cured.

Available in 55 Gal., 30 Gal., 5 Gal., Gal., Qt.

UPATE-1000 White



596 Miracle White

ULTIMATE LOW-BLEED WHITE

This is the ink for when whites have to be white. Miracle White equals No bleed. Works well on most troublesome fabrics. Perfect for polyesters and 50/50 blends. Miracle White is ultra smooth and easy to print, has no fumes or bleaches. Truly a miracle! Available in Quarts, Gallons, 5-Gallons, and 55 Gal. Drums

L596 Miracle White

581 Arctic White

UNIQUE BRIGHTNESS - BRILLIANT WHITE

Arctic White is creamy smooth, extremely easy to print, and a very bright white. Ideal for manual or machine printing. This very opaque white works well on 100% cotton and 50/50 polyester blends. Arctic White will also flash fast and is easy curing. Ideal for use as an under base or final white. Available in Quarts, Gallons, 5-Gallons, and 55 Gal. Drums

L581 Arctic White

590 Sabre White

590 Sabre White is a completely phthalate-free, low-bleed plastisol specifically designed to prevent dye migration on cotton/poly blended fabrics including hoodies. Sabre White's short body and creamy texture easily prints through meshes up to 230/in (92T) and provides excellent results when used as an under base, stand-alone or highlight white. Its smooth finish offers printers an excellent surface for overprinting colors. Available in Quarts, Gallons, 5-Gallons, and 50 Gal. Drums

L590 Sabre White

527 Keystone Matte

Fast Flash White

527 Fast Flash White is made to be the fastest gelling first down white. It can also be used as a regular white for single or spot color prints. Cures to a low tack matte finish, and can be printed through meshes from 60 to 160. Available in Quarts, Gallons, 5-Gallons, and 55 Gal. Drums

L527 Keystone Matte Fast Flash White

575 Electric White

Electric LB White is an easy-printing, creamy white plastisol ink recommended for both 100% cotton and poly/cotton blends. 575PF has been thoroughly field tested by seasoned printers who have reported excellent results on Tri-Blends Comfort Colors and Cotton/Poly hoodies. Electric White greatly enhances the finished look of simulated process prints when used as both the under base and highlight whites. It is a true value-priced ink that yields premium results and outperforms competitive brands tens of dollars more expensive. Electric White Contains no bleach making it an excellent choice for both 100% cotton and poly/cotton blends. Also the formulation contains no blowing agents guaranteeing a smooth under base surface that enhances the appearance of overprint colors. Available in Quarts, Gallons, 5-Gallons, and 50 Gal. Drums

L575 Electric White

Super Elongation White

VERY OPAQUE - HIGH STRETCH

400 Series Super Elongation White is perfect for high stretch materials such as Lycra. Designed to stretch and retract with the fabric. Will cure at temperatures as low as 320°F for 15 seconds. Available in Quarts, Gallons, 5-Gallons, and 55 Gal.

L400WH Super Elongation White



WHITE AND BLACK PLASTISOLS (cont.)

Union DSPCH-1000 Series

PLASTICHARGE WHITE INK

Plasticharge White is a plastisol ink with discharge properties until now found only in water based discharge inks. This makes it easy to print bright white, soft hand prints on discharge dyed garments. Designed to provide the ultimate soft hand under base print.

PRINTING INSTRUCTIONS: Print Discharge White first, forcing the ink well into the substrate with heavy squeegee pressure. Print wet on wet without flash. Color values will appear after curing. Cure a minimum of 90 seconds at 320°F to activate discharge reaction produce a washable print. Evaporating water too quickly will stop the discharge reaction and create dull images.

MIXING INSTRUCTIONS: Add 6% ZFS Discharge agent before printing. Mix until completely dissolved. Once the discharge agent is added, the ink has a pot life of 24 hours.

SCREEN FABRIC: Use 156-178 monofilament polyester depending on material being printed.

Available in Qt., Gal., 5 Gal., 30 Gal., 55 Gal.

UDSPCH-1000 Plasticharge White
USDSPCH-9070 Plasticharge Additive

Matsui Discharge Whites

Discharge printing is a process where water-based inks are applied to certain "dischargeable" dark colored garments to produce very bright, soft prints. As the discharge inks are printed and heat cured, the original dyes on the garment are being reduced, or "discharged", from the image area and the printed image is bonded to the fabric. The result is a brightly colored, opaque print which has been applied directly to a virtually "undyed" area of the fabric. These prints will have a very soft hand. Preprint Discharge is a discharge ink system designed for use as a spot color or under base for water based or plastisol ink overprinting on dischargeable fabrics. Regular opacity and soft hand plastisols such as Excaliber 500 or Union Ink's Ultrasoft PLUE, PRPE, and PTHF Series are overprinted, producing bright, soft hand plastisol prints on dark % cotton fabrics. As the Preprint is a discharge product, the desired effect can only be achieved on "dischargeable" fabrics. Available in regular and brite discharge white Available in Qt., Gal., 5 Gal., 30 Gal., 55 Gal.

MA DCW Discharge White
MA BDW Bright Discharge White

UNISTRETCH SERIES

High Elongation Plastisol For Lycra/Spandex, etc.

This ink exhibits high elongation and resists cracking when the design is stretched beyond normal proportions. Available in a pre-mixed white (UNST-1000) or a clear (UNST-9160) that can be added to any Union Plastisol color, or over-printed on top of flashed colors to achieve these same results. Although Unistretch clear can be added to any color, best results are achieved when it is added to the Athletic Gloss (UPATH), Maxopaque (UPADM), or Mixopaque (UMIXO) series of inks. Especially effective when printed on extremely stretchy fabrics like Spandex and Lycra.

PRINTING INSTRUCTIONS: Use instructions for the Series of inks Unistretch is mixed into Use no more than 25% Unistretch Clear with other Union inks. The addition of unistretch Clear will reduce the opacity of the combined inks.

SCREEN FABRIC: Use 110-230 monofilament polyester. For best opacity and elasticity, use 110-140 mesh. Higher mesh counts can be used successfully depending on requirements.

SCREEN COATING, FILM, BLOCKOUT: Avoid using water resistant emulsions, as they may react with components of the ink causing lock up and clog mesh openings. Any other direct emulsions, capillary film or indirect stencil films are all suitable.

DRYING TIME: Recommended cure temperature is 300°F for 60-90 seconds, depending on curing unit and thickness of ink deposit. The ink film must be heated throughout to cure. Available in Qt., Gal., 5 Gal., 30 Gal., 55 Gal.

UNSE-1000 White
UNSE-9160 Clear

500 Series Black

EXTREME OPACITY - SOFT HAND FINISH

Lancer 500 Series Black is a deep rich black ideal for direct printing or cold peel transfers. Ideal for automatic press production. Suitable for 100% cotton, and some 50/50 fabrics. Available in Quarts, Gallons, 5-Gallons, and 55 Gal. Drums

L500BK 500 Series Black

Features

- Prints have soft hand
- Easy to print
- 56 Standard colors
- Ready to use
- For direct or transfer printing
- PLRE is Non-Phthalate

Opaque Colors

UPLUE-1020	Super Opaque White
UPLUE-1500	Gray
UPLUE-1508	Light Gray
UPLUE-1525	Dark Gray
UPLUE-2001	Primrose Yellow
UPLUE-2011	Lemon Yellow
UPLUE-2013	Cream
UPLUE-2017	Vegas Gold
UPLUE-2021	Chrome Yellow
UPLUE-2041	Golden Yellow
UPLUE-2046	Rebel Gold
UPLUE-2051	Orange
UPLUE-2052	Burnt Orange
UPLUE-2057	University Orange
UPLUE-2102	Khaki
UPLUE-3001	Vermillion Red
UPLUE-3006	Brite Red
UPLUE-3011	Scarlet Red
UPLUE-3015	Cardinal Red
UPLUE-3021	Low Crock Flag Red
UPLUE-3030	Maroon
UPLUE-3106	Fuchsia
UPLUE-3113	Cool Pink
UPLUE-4010	Magenta
UPLUE-4025	Deep Purple
UPLUE-4101	Lilac
UPLUE-4103	Rose Magenta
UPLUE-5005	Brite Blue
UPLUE-5015	Columbia Blue
UPLUE-5017	University Blue
UPLUE-5020	Mono Blue
UPLUE-5030	Ultramarine Blue
UPLUE-5035	Royal Blue
UPLUE-5040	Navy Blue
UPLUE-5048	Light Navy
UPLUE-5060	Aqua Marine
UPLUE-5085	Opaque Process Blue
UPLUE-5105	Turquoise
UPLUE-5107	Powder Blue
UPLUE-5108	Peacock Blue
UPLUE-6001	Tahiti Green
UPLUE-6006	Bright Green
UPLUE-6016	Lime Green
UPLUE-6021	Dark Chrome Green
UPLUE-6091	Kelly Green
UPLUE-7001	Dark Brown
UPLUE-7031	Sienna Brown
UPLUE-8000	Black

Fluorescent Colors

UPLUE-F211	Orbit Yellow
UPLUE-F212	Golden Yellow
UPLUE-F213	Inferno Orange
UPLUE-F214	Flame Orange
UPLUE-F311	Missile Red
UPLUE-F312	Aurora Pink
UPLUE-F511	Solar Blue
UPLUE-F611	Traffic Green
UPLUE-F666	Phosphorescent Green

Metallics

UPLUE-M120	Silver
UPLUE-M128	Washable Silver
UPLUE-M220	Pale Gold
UPLUE-M222	Rich Gold
UPLUE-M224	Mirror Gold

Modifiers

UPLUE-9090	Extender Base
UPLRE-9000	Reducer/Detackifier



Union PLUE Series

ULTRASOFT PLASTISOL INK

FOR DIRECT OR TRANSFER PRINTING

Highly versatile, lead-free type plastisol inks formulated for heat transfer and wet-on-wet direct printing with good opacity for medium-colored cotton and cotton/polyester garments. Direct prints have a soft finish. PLUE inks can be used to produce either Ultrasoft or regular heat transfer, depending upon transfer methods used. PLUE inks have been specially formulated to work in a variety of applications, enabling the printer to maintain a reduced inventory of specialty inks.



SPECIFICATIONS

USES: For use on cottons, cotton/polyester blends, can be used on both hot and cold peel transfers, and on nylon jackets (with the addition of Nylobond Bonding Agent).

FINISH: Cures to a soft-hand finish.

OPACITY: Excellent opacity on light and medium colored shirts. Not recommended for dark fabrics without a white under base.

DRYING TIME: PLUE Series plastisol inks will not air dry. They must be heat cured. PLUE Series inks will fully cure and withstand repeated washings when the entire ink deposit reaches 300° F. Curing can be accomplished with the use of a conveyor dryer, flash curing unit, or simple infrared heater. Will semi-cure or gel at 250°F for transfers.

SCREEN FABRIC: Use 86-305 monofilament polyester depending on the substrate.

SCREEN COATING, FILM, BLOCKOUT: Use water soluble hand-cut, photo screens and blockouts with this ink or use other suitable products.

MODIFIERS: Use UPLUE-9090 Extender Base to extend colors and add strength. Use UPLRE-9000 as a reducer or detackifier. For metallic and fluorescent powders use UPLUE-9030.

ADHESION: Excellent on 100% Cotton and blends.

WASHUP: T-125 mineral spirits, or biodegradable washes SYS-2500, SYS-2550 or SYS-2510 screen wash gel.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Prints have soft hand □ Easy to print
- 56 Standard colors □ Ready to use
- For direct or transfer printing
- All Lancer ink is changing to Phthalate Free
- Look for the □ PF □ on the label.

Opaque Colors

L500AQ	Aqua
L500BB	Bright Blue
L500BK	Black
L500BO	Bright Orange
L500BR	Bright Royal
L500BRD	Bright Red
L500BS	Bright Scarlet
L500CR	Candy Red
L500CRM	Crimson Red
L500DB	Dark Brown
L500DG	Bright Dallas Green
L500FG	Forest Green
L500FL	Flesh
L500FU	Fuschia
L500GO	Gold
L500HG	Hunter Green
L500KG	Kelly Green
L500LB	Light Blue
L500LG	Light Gold
L500LR	Light Royal
L500LY	Lemon Yellow
L500MA	Maroon
L500NB	Navy Blue
L500OG	Old Gold
L500OR	Orange
L500PU	Purple
L500RB	Royal Blue
L500REB	Reflex Blue
L500RH	Rhodamine Red
L500RU	Rubine Red
L500SC	Scarlet Red
L500SG	Silver Grey
L500SR	Super Red
L500SRB	Super Royal
L500STG	Steel Grey
L500TB	True Blue
L500TU	Turquoise
L500TY	True Yellow
L500VI	Violet
L500WR	Warm Red

Modifiers

L501	Curable Reducer
L502	Viscosity Reducer
L504	Clear Base
L505	Process Base

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2550	Low Odor Wash
SYS-2510	Screen Wash Gel

Packaging

Inks and Solvents in quarts, gallons and 5-gallon pails.

Excalibur

Lancer 500 Series

DIRECT PRINT PLASTISOL INK

FOR DIRECT PRINTING OR COLD PEEL TRANSFERS

Highly versatile, lead-free type plastisol inks formulated for heat transfer and wet-on-wet direct printing with great opacity and direct prints with a soft hand finish. Ideal for high speed automatic presses. 500 Series inks are formulated to minimize build up. Available in a wide variety of popular colors including fluorescents.



SPECIFICATIONS

USES: For use on cottons, cotton/polyester blends, can be used on cold peel transfers, and on nylon jackets (with Nylon Bonding Agent).

FINISH: Cures to a soft-hand finish.

OPACITY: Excellent opacity.

DRYING TIME: 500 Series plastisol inks will not air dry. They must be heat cured. 500 Series inks will fully cure and withstand repeated washings when the entire ink deposit reaches 320° F. Curing can be accomplished with the use of a conveyor dryer, flash curing unit, or simple infrared heater. Will semi-cure or gel at 250°F for transfers.

TRANSFERS: Transfert 75 paper is recommended. For increased durability, use adhesive powder or print 841 or 842 adhesive over the entire transfer. Set transfer press for medium pressure for 10-15 seconds at 350° F. Peel cold.

SCREEN FABRIC: Use 40-305 monofilament polyester depending on the substrate for direct prints, 80-125 mesh for transfers.

SCREEN COATING, FILM, BLOCKOUT: Use water soluble hand-cut, photo screens and blockouts with this ink or use other suitable products.

MODIFIERS: Use small amounts of 502 reducer to achieve the look of a water based print. Any amount of 502 curable reducer can be used to reduce opacity and soften hand.

WASHUP: T-125 mineral spirits, or biodegradable washes SYS-2500, SYS-2550 or SYS-2510 screen wash gel.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Prints have soft hand □ Easy to print
- Excellent color reproduction
- Ready to use or concentrate
- For direct or transfer printing
- All Lancer ink is changing to Phthalate Free
Look for the □PF□ on the label.

ColorPro Colors - Direct Print

L551BK	Black
L551BGS	Blue (GS)
L551BRS	Blue (RS)
L551GR	Green
L551MA	Magenta
L551RBS	Red (BS)
L551RYS	Red (YS)
L551VI	Violet
L551YGS	Yellow (GS)
L551YRS	Yellow (RS)
L551WH	White
L551	Mixing Base

ColorPro Colors - Transfers

L951BK	Black
L951BGS	Blue (GS)
L951BRS	Blue (RS)
L951GR	Green
L951MA	Magenta
L951RBS	Red (BS)
L951RYS	Red (YS)
L951VI	Violet
L951YGS	Yellow (GS)
L951YRS	Yellow (RS)
L951WH	White

PCPro Colors - Concentrates

L PCPBK	Black
L PCPBGS	Blue (GS)
L PCPBRS	Blue (RS)
L PCPGR	Green
L PCPMA	Magenta
L PCPRBS	Red (BS)
L PCPRYS	Red (YS)
L PCPVI	Violet
L PCPYGS	Yellow (GS)
L PCPYRS	Yellow (RS)
L PCPWH	White
L PCPFLG	Fluorescent Green
L PCPFLO	Fluorescent Orange
L PCPFLLR	Fluorescent Red
L PCPFLLY	Fluorescent Yellow
L PCPFLLB	Fluorescent Blue
L PCPFLLM	Fluorescent Magenta
L PCPFLLP	Fluorescent Pink
L PCPFLLV	Fluorescent Violet

Bases For Concentrates

L505	Direct Print Base
L550	High Opacity Base
L400	High Stretch Base
L905	Hot Split Transfer Base
L950	Opaque Hot Split Base
L820	Puff Base
L835	High Density Base
L825	Foam Grip Base

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2550	Low Odor Wash
SYS-2510	Screen Wash Gel

Packaging

Inks and Solvents in quarts, gallons and 5-gallon pails.

Excaltion

ColorPro Series

PLASTISOL MATCHING SYSTEM

READY FOR USE AND CONCENTRATES

ColorPro produces simulated Pantone® colors using 11 standard ink colors including black & white. ColorPro is suitable for light and dark fabrics. Formulations are based on weight and are extremely easy to use. PCPro uses concentrates and base to achieve the same results. Because Lancer manufactures their own pigment, Lancer concentrates are more uniform from batch to batch than others.



SPECIFICATIONS

USES: For use on cottons, cotton/polyester blends, can be used on cold peel transfers, and on nylon jackets (with Nylon Bonding Agent).

FINISH: Cures to a soft-hand finish.

OPACITY: Excellent opacity.

DRYING TIME: Plastisol inks will not air dry. They must be heat cured. ColorPro inks will fully cure and withstand repeated washings when the entire ink deposit reaches 310°F. Curing can be accomplished with the use of a conveyor dryer, flash curing unit, or simple infrared heater. Will semi-cure or gel at 250°F for transfers.

TRANSFERS: Transfert 75 paper is recommended. For increased durability, use adhesive powder or print 841 or 842 adhesive over the entire transfer. Set transfer press for medium pressure for 10-15 seconds at 350° F. Peel cold. ColorPro is available in 951 Series for hot split transfers.

SCREEN FABRIC: Use 40-305 monofilament polyester depending on the substrate for direct prints, 80-125 mesh for transfers.

SCREEN COATING, FILM, BLOCKOUT: Use water soluble hand-cut, photo screens and blockouts with this ink or use other suitable products.

MODIFIERS: Use small amounts of 502 reducer to achieve the look of a water based print. Any amount of 502 curable reducer can be used to reduce opacity and soften hand.

WASHUP: T-125 mineral spirits, or biodegradable washes SYS-2500, SYS-2550 or SYS-2510 screen wash gel.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Vibrant color matching on white, light colored fabrics, or under base whites
- Good opacity for everyday printing
- High-speed production with virtually no build up
- Satin finish, soft hand
- Excellent color intensity, even when printed through fine mesh

UPTHF-KIT Starter Kit

All Purpose Colors - No Lead

UPTHF-1000 Super White
UPTHF-2000 Yellow
UPTHF-2050 Orange
UPTHF-3000 Red (Blue Shade)
UPTHF-3005 Red (Yellow Shade)
UPTHF-4006 Violet
UPTHF-4008 Cerise
UPTHF-5000 Blue (Green Shade)
UPTHF-5004 Blue (Red Shade)
UPTHF-6000 Green
UPTHF-8000 Black

Neon Colors

UPTHF-F210 Yellow
UPTHF-F310 Red
UPTHF-F410 Magenta
UPTHF-F510 Blue

Modifiers

UPTHF-9070 Soft Hand Extender
UPTHF-9090 Extender Base

Solvents

SYS-1925 Washup
UPLRE-9000 Reducer

Biodegradable Wash-Up

SYS-2500 Screen Wash
SYS-2550 Low Odor Wash
SYS-2510 Screen Wash Gel

Packaging

Inks and solvents in gallons and 5-gallon pails; 30 and 55 gallon drums.



Union PTHF Series

UNIMATCH PANTONE® PLASTISOL INKS

Unimatch is a state of the art, Pantone® licensed opaque mixing system. It was specifically formulated to create intense, bright colors with low build up. This unique low build up and superior wet on wet printing makes flash curing (under base excluded) virtually unnecessary, and the perfect choice for both manual and automatic printing. Printers have reported excellent results printing 10 colors wet on wet over a flashed under base. The intense, opaque colors allow printing through finer mesh for increased print sharpness.



SPECIFICATIONS:

USES: For use on T-shirts, sweatshirts, jerseys, denim, banners and pennants. For cotton/polyester blends where bleeding may occur, use UPLHE-1070 Fast Flash Low Bleed White.

OPACITY: Excellent on all shirt colors.

COVERAGE: Approximately 550 to 650 square feet per gallon.

DRYING TIME: Inks will fully cure when entire ink layer reaches 300°F. Unimatch will not air-dry in the screen.

SCREEN FABRIC: Unimatch inks are formulated to print through finer mesh counts increasing mileage and reducing ink costs. Inks mixed to Unimatch formulas are designed to reproduce Pantone® colors accurately when printed through 200 mesh. For cotton/polyester blends where bleeding may occur, use UPLHE-1070 Fast Flash Low Bleed White printed through 125-200 mesh polyester.

SCREEN COATING, FILM, BLOCKOUT: Use water-soluble, hand-cut photo screens and blockouts with this ink or use other suitable products.

MODIFIERS: Use PTHF-9070 to reduce opacity or soften the hand of the ink. Can be mixed 10-50% by weight depending on the color of the fabric and the desired opacity or softness of the finished print.

REDUCER: Use UPLRE-9000 sparingly (2% or less).

ADHESION: Excellent for most fabrics.

WASHUP: Use SYS-1925 or biodegradable washup SYS-2500, SYS-2550 or SYS-2510 screen wash gel.

Free Unimatch PC and Macintosh formulation software is available.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Excellent opacity for everyday printing
- No white underlay needed
- High-speed production with virtually no build up
- Prints easily by hand
- Creamy viscosity
- Accurate color matching on black, white or colored fabrics
- Non-Phthalate

UMIXE-KIT Starter Kit

All Purpose Colors - No Lead

UMIXE-1000	Super White
UMIXE-2002	Yellow (Green Shade)
UMIXE-2042	Yellow (Red Shade)
UMIXE-3002	Red (Yellow Shade)
UMIXE-3007	Red (Blue Shade)
UMIXE-4001	Magenta
UMIXE-4002	Violet
UMIXE-4003	Cerise
UMIXE-5001	Blue (Green Shade)
UMIXE-5003	Blue (Red Shade)
UMIXE-6002	Green
UMIXE-8000	Black

Low Bleed Colors

UMIXE-1055	Low Bleed White
UMIXE-2005	Low Bleed Yellow (GS)
UMIXE-2045	Low Bleed Yellow (RS)
UMIXE-4005	Low Bleed Magenta

Neon Colors

UMIXE-F211	Orbit Yellow
UMIXE-F212	Golden Yellow
UMIXE-F214	Flame Orange
UMIXE-F312	Aurora Pink
UMIXE-F411	Neon Magenta
UMIXE-F511	Solar Blue
UMIXE-F611	Traffic Green

Modifiers

UMIXE-9020	Flow Additive
UMIXE-9070	Transparent Base
UMIXE-9090	Extender Base
UMIXE-TRAN	Transfer Additive

Solvents

T-125	Washup
UPLRE-9000	Reducer

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2550	Low Odor Wash
SYS-2510	Screen Wash Gel

Packaging

Inks and solvents in gallons and 5-gallon



Union MIXE Series

MIXOPAQUE PANTONE® PLASTISOL INK

High-speed, high-opacity plastisol for printing Pantone® Colors on fabrics of any color! The MIXE Series allows the printer to mix color in the Pantone® Matching System. This is the most universally known color matching system. MIXE can be used on any color fabric right out of the can. It is easy to use, plus there are currently 1000 colors in the Pantone® System. MIXE is the only plastisol licensed for black fabrics. Production won't be slowed by additional flash cure units or excessive build up under screens. A finished, ready to use ink (not a concentrate).



SPECIFICATIONS

USES: For use on T-shirts, sweatshirts, jerseys, denim, banners and pennants. For cotton/polyester blends where bleeding may occur, use UPADM-1057 Premium Low Bleed White as a first down base.

OPACITY: Excellent of all shirt colors.

COVERAGE: Approximately 550 to 650 square feet per gallon.

DRYING TIME: Inks will fully cure when entire ink layer reaches 300°F. Mixopaque will not air-dry in the screen.

SCREEN FABRIC: For dark 100% cotton use 60-175T monofilament. Colors are designed to reproduce specific color at 60T monofilament on black without underlay. For dark cotton/polyester blends use 86-175T monofilament. For cotton/polyester blends where bleeding may occur, use UPAFC-1050 Fast Flash Low Bleed White or UPADM-1057 Premium Low Bleed White as a first down base. For white or light-colored fabrics use up to 230T monofilament.

SCREEN COATING, FILM, BLOCKOUT: Use water-soluble, hand-cut photo screens and blockouts with this ink or use other suitable products.

MODIFIERS: Use MIXE-9070 to reduce opacity or soften the hand of the ink. Can be mixed 10-50% by weight depending on the color of the fabric and the desired opacity or softness of the finished print.

REDUCER: Use UPLRE-9000 sparingly (2% or less).

ADHESION: Excellent for most fabrics.

WASHUP: Use T-125 or biodegradable washup SYS-2500, SYS-2550 or SYS-2510 screen wash gel.

Free Mixopaque PC and Macintosh formulation software is available.
ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- ☐ Sporting goods colors
- ☐ Athletic uniforms ☐ Nylon mesh jerseys
- ☐ Stretchy material ☐ Lycra & Spandex
- ☐ Bicycle racing jerseys ☐ High gloss
- ☐ Extremely durable ☐ Very opaque
- ☐ Non-Phthalate

Opaque Colors

UPATE-1000	White
UPATE-1500	Gray
UPATE-1508	Lite Gray
UPATE-1522	Dark Gray
UPATE-2010	Lemon Yellow
UPATE-2017	Vegas Gold
UPATE-2020	Chrome Yellow
UPATE-2040	Golden Yellow
UPATE-2045	Blazer Gold
UPATE-2046	Rebel Gold
UPATE-2050	Orange
UPATE-2052	S.G. Burnt Orange
UPATE-2056	S.G. Texas Orange
UPATE-2057	University Orange
UPATE-2102	Khaki
UPATE-3006	Brite Red
UPATE-3010	Scarlet Red
UPATE-3015	Cardinal Red
UPATE-3021	Lo Crock Flag Red
UPATE-3030	Maroon
UPATE-3100	Cardinal Red
UPATE-3113	Cool Pink
UPATE-4010	Magenta
UPATE-4020	Deep Purple
UPATE-4103	Rose Magenta
UPATE-4201	Lilac
UPATE-5002	S.G. Aqua
UPATE-5008	Brite Blue
UPATE-5012	S.G. Columbia Blue
UPATE-5015	Columbia Blue
UPATE-5017	University Blue
UPATE-5020	Mono Blue
UPATE-5036	Royal Blue
UPATE-5040	Navy Blue
UPATE-5048	Light Navy
UPATE-5060	Aqua Marine
UPATE-5108	Peacock Blue
UPATE-6001	Tahiti Green
UPATE-6008	Bright Green
UPATE-6016	Lime Green
UPATE-6020	Chrome Green
UPATE-6091	Kelly Green
UPATE-7000	Dark Brown
UPATE-7031	Sienna Brown
UPATE-8000	Black

Fluorescent Colors

UPATE-F211	Orbit Yellow
UPATE-F212	Golden Yellow
UPATE-F213	Inferno Orange
UPATE-F214	Flame Orange
UPATE-F311	Missile Red
UPATE-F312	Aurora Pink
UPATE-F402	Neon Purple
UPATE-F511	Solar Blue
UPATE-F611	Traffic Green
UPATE-F666	Phosphorescent Green

Metallics

UPATE-M100	Copper
UPATE-M120	Silver
UPATE-M128	Washable Silver
UPATE-M220	Pale Gold
UPATE-M222	Rich Gold
UPATE-M224	Mirror Gold

Modifiers

UPATE-9000	Reducer/Deattachifier
UPATE-9030	Clear Metallic Base
UPATE-9090	Extender Base

Packaging

Inks and Solvents in quarts, gallons and 5-gallon pails.



Union PATE Series - Nylon

ATHLETIC GLOSS PLASTISOL

Formulated to provide gloss finish opaque prints with high deposits and excellent opacity. Recommended for printing large numbers, letters, and designs on cotton and cotton/poly athletic garments as well as nylon mesh jerseys. Also, for many of the new stretch fabrics used in active wear (bathing suits, cycling suits, dance wear, etc.) such as Lycra, Spandex, etc. where great elasticity and toughness is required.



SPECIFICATIONS

USES: For use on cottons, cotton/polyester blends, nylon mesh, stretch fabrics, Lycra, Spandex, all athletic garments where a tough, heavy film is required.

FINISH: Cures to a gloss, rubbery finish.

OPACITY: Excellent opacity on fabrics.

DRYING TIME: PATE Series plastisol inks will not air dry. They must be heat cured. PATE Series inks will fully cure and withstand repeated washings when the entire ink deposit reaches 300°F. Curing can be accomplished with the use of a conveyor dryer, flash curing unit, or simple infrared heater. Because of the extra thickness of the ink film, it is extremely important to check the cure to see that the film has cured all the way through. Poor washability can generally be traced to under curing!

SCREEN FABRIC: Use coarse meshes, from 62 to 110 monofilament polyester or 4XX Multifilament.

SCREEN COATING, FILM, BLOCKOUT: Use water soluble hand-cut, photo screens and blockouts with this ink or use other suitable products. A heavy stencil is recommended for which capillary films work well.

MODIFIERS: PATE inks are ready to use straight from the can but can be reduced with small amounts of UPLRE-9000 as a reducer or detackifier.

WASHUP: T-125 or biodegradable washup SYS-2500, SYS-2550 or SYS-2520 screen wash gel.

SQUEEGEE: For maximum deposit, a soft rounded squeegee is recommended

Packaging

Inks and solvents in qts, gallons, 5-gallon pails.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Sporting goods colors
- Athletic uniforms □ Nylon mesh jerseys
- Stretchy material □ Lycra & Spandex
- Bicycle racing jerseys □ High gloss
- Extremely durable □ Very opaque
- Non-Phthalate

Opaque Colors

UATHP-1060	Cosmic White
UATHP-1070	Premium Lo Bleed White
UATHP-1500	Gray
UATHP-1508	Lite Gray
UATHP-1525	Dark Gray
UATHP-2010	Lemon Yellow
UATHP-2013	Cream
UATHP-2017	Vegas Gold
UATHP-2020	Chrome Yellow
UATHP-2040	Golden Yellow
UATHP-2045	Blazer Gold
UATHP-2046	Rebel Gold
UATHP-2050	Burnt Orange
UATHP-2057	University Orange
UATHP-2064	Orange
UATHP-2102	Khaki
UATHP-3006	Brite Red
UATHP-3011	Scarlet Red
UATHP-3015	Cardinal Red
UATHP-3021	Lo Crock Flag Red
UATHP-3033	Maroon
UATHP-3113	Cool Pink
UATHP-4010	Magenta
UATHP-4020	Deep Purple
UATHP-4101	Lilac
UATHP-4103	Rose Magenta
UATHP-5002	Aqua
UATHP-5008	Brite Blue
UATHP-5012	Columbia Blue
UATHP-5015	Collegiate Blue
UATHP-5017	University Blue
UATHP-5020	Mono Blue
UATHP-5035	Royal Blue
UATHP-5040	Navy Blue
UATHP-5060	Aquamarine
UATHP-5075	Columbia Blue
UATHP-5108	Peacock Blue
UATHP-5148	Light Navy
UATHP-6001	Tahiti Green
UATHP-6008	Bright Green
UATHP-6016	Lime Green
UATHP-6020	Kelly Green
UATHP-6022	Chrome Green
UATHP-7031	Sienna Brown

Modifiers

UPLRE-9000	Reducer/Detackifier
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Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2550	Low Odor Wash
SYS-2510	Screen Wash Gel

Packaging

Inks and Solvents in quarts, gallons and 5-gallon pails.



Union ATHP Series

POLYESTER LOW-BLEED PLASTISOL

IDEAL FOR DIFFICULT ATHLETIC JERSEYS

Polyester low-bleed plastisols are formulated to fight dye migration on the nastiest bleeding 100% polyester athletic uniforms or other synthetic fabrics prone to dye migration. It's formulated to provide excellent printing characteristics and is designed for both manual and automatic



SPECIFICATIONS

PRINTING INSTRUCTIONS:

Print off contact to lay the ink on the top of the fabric rather than pushing the ink through it.

FINISH: Cures to a gloss, rubbery finish.

OPACITY: Excellent opacity on fabrics.

DRYING TIME: ATHP Series plastisol inks will not air dry. They must be heat cured. ATHP Series inks will fully cure and withstand repeated washings when the entire ink deposit reaches 300°F. Curing can be accomplished with the use of a conveyor dryer, flash curing unit, or simple infrared heater. Because of the extra thickness of the ink film, it is extremely important to check the cure to see that the film has cured all the way through. Poor washability can generally be traced to under curing!

SCREEN FABRIC: Use coarse meshes, from 74 to 110 monofilament polyester. For maximum opacity, use 62T monofilament polyester.

SCREEN COATING, FILM, BLOCKOUT: Use water soluble hand-cut, photo screens and blockouts with this ink or use other suitable products. A heavy stencil is recommended for which capillary films work well.

MODIFIERS: ATHP inks are ready to use straight from the can. Since plastisol inks body up as they sit in the container, you should always stir ink well to determine the actual printing viscosity before adding reducer. The viscosity of ATHP inks has been carefully formulated to sit on top of the fabric when printed. Reducing may cause the ink to penetrate the fabric, reducing coverage. If reducing, use only small amounts of UPLRE-9000 as a reducer or detackifier.

WASHUP: T-125 or biodegradable washup SYS-2500, SYS-2550 or SYS-2520 screen wash gel.

SQUEEGEE: For maximum deposit, a soft rounded squeegee is recommended

Packaging

Inks and solvents in quarts, gallons, 5-gallon pails.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Cures From 270°F to Maximum Cure of 320°F
- BSN Pantone® colors
- Excellent Stretch
- High Opacity & Coverage
- Non-Migrating Pigments
- Soft Hand

Opaque Colors

UPLC-1070	White
UPLC-0107	Sport Yellow
UPLC-0151	Sport TN Orange
UPLC-0172	Sport Orange
UPLC-0200	Sport Red
UPLC-0202	Sport Cardinal
UPLC-0213	Sport Pink
UPLC-0268	Sport Purple
UPLC-0289	Sport Navy
UPLC-0322	Sport Teal
UPLC-0356	Sport Green
UPLC-0422	Sport Gray
UPLC-0431	Sport Charcoal
UPLC-0447	Sport Anthracite
UPLC-0476	Sport Brown
UPLC-0504	Sport Maroon
UPLC-0659	Sport Light Blue
UPLC-0661	Sport Royal
UPLC-0809	Sport Volt
UPLC-1605	Sport TX Orange
UPLC-1235	Sport Bright Gold
UPLC-3435	Sport Dark Green
UPLC-4515	Sport Vegas Gold
UPLC-8000	Sport Black
UPLC-1550	Sport Barrier Gray
UPLC-8550	Sport Barrier Black

Packaging

All colors in quarts, gallons with only White and Black in 5-gallon pails.



Union UPLC Series

270° LOW CURE PLASTISOL

Union Ink Low Cure is a low bleed ink system with a recommended cure temperature of 270°F/132°C. Products include a variety of premixed colors utilizing non-migrating pigments, as well as a bleed blocking gray and barrier black.



SPECIFICATIONS

USES: For use on 100% polyester and polyester blends.

FINISH: Cures to a gloss, rubbery finish.

OPACITY: Excellent opacity on fabrics.

DRYING TIME: UPLC Series plastisol inks will not air dry. They must be heat cured. UPLC Series inks will fully cure and withstand repeated washings when the entire ink deposit reaches 270°F. Flash at 170°F. Adjust flash temperature and dwell time so ink is just dry to the touch. Avoid excessive flash to protect fabric and migration of dyes. Normally, a 3 to 5 second flash is adequate. Poor washability can generally be traced to under curing!

SCREEN FABRIC: Use coarse meshes, from 86 to 230 monofilament polyester.

SCREEN COATING, FILM, BLOCKOUT: Use water soluble hand-cut, photo screens and blockouts with this ink or use other suitable products. A heavy stencil is recommended for which capillary films work well.

MODIFIERS: Modifiers are not recommended.

WASHUP: T-125 or biodegradable washup SYS-2500, SYS-2550 or SYS-2520 screen wash gel.

SQUEEGEE: A medium 60-70 or 60/90/60 triple durometer squeegee with a sharp, square edge at 10° to 20° angle.

Packaging

Inks and solvents in qts, gallons, Black and white in 5-gallon pails also.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Ideal for polyester sports uniforms!
- Highly Bleed Resistant Formula
- Designed to have High Stretch
- For direct or transfer printing
- Very Opaque with a Soft Hand
- Phthalate Free

High Opacity Colors

- L1550WH Opaque White
- L1500BK Black
- L1550GO Gold

High Opacity Sporting Goods Colors

- L1533AQ Aqua
- L1533BG Blazer Gold
- L1533BO Burnt Orange
- L1533BR Bright Royal
- L1533BS Bright Scarlet
- L1533CB Columbia Blue
- L1533CG Chrome Green
- L1533CR Cardinal Red
- L1533DB Dark Brown
- L1533DP Deep Purple
- L1533GO Gold
- L1533GR Gray
- L1533GY Golden Yellow
- L1533KG Kelly Green
- L1533LO Light Orange
- L1533LY Lemon Yellow
- L1533MA Maroon
- L1533MY Michigan Yellow
- L1533NB Navy Blue
- L1533OR Orange
- L1533RB Royal Blue
- L1533SR Scarlet Red
- L1533TO Texas Orange
- L1533VG Vegas Gold

ColorPro Colors - Color Match System (Slightly Lower Opacity)

- L1551BK Black
- L1551BGS Blue (GS)
- L1551BRS Blue (RS)
- L1551GR Green
- L1551MA Magenta
- L1551RBS Red (BS)
- L1551RYS Red (YS)
- L1551VI Violet
- L1551YGS Yellow (GS)
- L1551YRS Yellow (RS)
- L1551WH White
- L1551BA Mixing Base

Defender Dye Blocker

- L1596 Defender Grey
- L1597 Defender Black

MODIFIERS

- L1501 Reducer
- L1504 Mixing Base

Available in Quarts, Gallons, 5 Gallon, and 55 Gallon Containers.



1500 SERIES ATHLETIC INKS

MATTE NON-GLOSS FINISH

Formulated to provide matte finish opaque prints with high deposits and excellent opacity. Recommended for printing large numbers, letters, and designs on cotton and cotton/poly athletic garments as well as nylon mesh jerseys. Also, for many of the new stretch fabrics used in active wear (bathing suits, cycling suits, dance wear, etc.) such as Lycra, Spandex, etc. where great elasticity and toughness is required.

Excalibur



SPECIFICATIONS:

USES: For use on cottons, cotton/polyester blends, can be used on cold peel transfers, and on Spandex and Lycra.

FINISH: Cures to a soft-hand finish.

OPACITY: Excellent opacity. (1551 ColorPro colors are slightly less opaque.)

DRYING TIME: Plastisol inks will not air dry. They must be heat cured. SportPro inks will fully cure and withstand repeated washings when the entire ink deposit reaches from 290°F to 310°F. Curing can be accomplished with the use of a conveyor dryer, flash curing unit, or simple infrared heater. Will semi-cure or gel at 250°F for transfers.

TRANSFERS: Transfert 75 paper is recommended. For increased durability, use adhesive powder or print H1 (medium grind) or C57 (multi grind for soft hand) adhesive over the entire transfer while wet, before curing through oven. Set transfer press for 10-12 seconds at 325°F to 350°F. Peel cold.

SCREEN FABRIC: Use 60-110 monofilament polyester depending on the substrate for direct prints, 60-80 mesh for transfers.

SCREEN COATING, FILM, BLOCKOUT: Use water soluble hand-cut, photo screens and blockouts with this ink or use other suitable products. A thick stencil of up to 200 microns is recommended.

MODIFIERS: Any amount of 1501 curable reducer can be used to reduce opacity and soften hand.

WASHUP: T-125 mineral spirits, or biodegradable washes SYS-2500, SYS-2550 or SYS-2510 screen wash gel.

Features

- ☐Excellent opacity on dark garments
- ☐Easy to print
- ☐Ready to use
- ☐Wet-on-wet direct printing
- ☐Non-Phthalate

Opaque Colors

UPADE-1001	Basic White
UPADE-1027	Bright Cotton White
UPADE-1030	Prem Bright Cotton Wht.
UPADE-1040	Lunar White
UPADE-1062	EZ Print White
UPADE-1508	Lite Gray
UPADE-1525	Dark Gray
UPADE-2013	Cream
UPADE-2010	Lemon Yellow
UPADE-2017	Vegas Gold
UPADE-2020	Chrome Yellow
UPADE-2020	Chrome Yellow
UPADE-2044	Golden Yellow
UPADE-2046	Rebel Gold
UPADE-2048	Gold
UPADE-2052	Burnt Orange
UPADE-2057	University Orange
UPADE-2064	Orange
UPADE-2102	Khaki
UPADE-3006	Bright Red
UPADE-3010	Scarlet Red
UPADE-3015	Cardinal Red
UPADE-3020	Flag Red
UPADE-3021	Lo Crock Flag Red
UPADE-3030	Maroon
UPADE-3113	Cool Pink
UPADE-4014	Magenta
UPADE-4020	Deep Purple
UPADE-4101	Lilac
UPADE-4103	Rose Magenta
UPADE-5008	Bright Blue
UPADE-5015	Columbia Blue
UPADE-5017	University Blue
UPADE-5020	Mono Blue
UPADE-5036	Royal Blue
UPADE-5060	Aqua Marine
UPADE-5085	Opaque Process Blue
UPADE-5108	Peacock Blue
UPADE-6001	Tahiti Green
UPADE-6008	Bright Green
UPADE-6016	Lime Green
UPADE-6022	Chrome Green
UPADE-6090	Kelly Green
UPADE-7031	Sienna Brown

Low Bleed Opaque Colors

UPADE-2060	Medium Yellow
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Fluorescent Colors

UPADE-F211	Orbit Yellow
UPADE-F212	Golden Yellow
UPADE-F213	Inferno Orange
UPADE-F214	Flame Orange
UPADE-F300	Original Aurora Pink
UPADE-F311	Missile Red
UPADE-F312	Aurora Pink
UPADE-F402	Neon Purple
UPADE-F511	Solar Blue
UPADE-F611	Traffic Green

Modifiers

UPLRE-9000	Reducer/Detackifier
UPLUE-9090	Extender Base

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2550	Low Odor Wash
SYS-2510	Screen Wash Gel



Union PADE Series

MAXOPAKE PLASTISOL

HIGH OPACITY PLASTISOL FOR DARK SHIRTS

A special range of twenty-five of the most Opaque Plastisol Colors available. Recommended for direct manual or machine printing (wet-on-wet or single color) on black and very dark colored garments. Soft, creamy consistency. While primarily used for direct printing on cotton and cotton/synthetic blends, it can be used for transfers if mixed with Extender Base PLRE-9090.



SPECIFICATIONS

USES: For use on cottons and cotton/polyester blends. PADE colors are extremely opaque and can be direct printed or used for hot split transfers.

FINISH: Cures to a soft hand finish.

OPACITY: Excellent opacity on dark garments.

DRYING TIME: PADE Series plastisol inks will not air dry. They must be heat cured. Normal plastisol inks will fully cure and withstand repeated washings when the entire ink deposit reaches 300°F. Curing can be accomplished with the use of a conveyor dryer, flash curing unit, or simple infrared heater. Due to the nature of MAXOPAKE inks they require a higher than normal cure temperature of at least 325° F to cure.

SCREEN FABRIC: Use 74 to 125 monofilament polyester depending on material being printed.

SCREEN COATING, FILM, BLOCKOUT: Use water soluble hand-cut, photo screens and blockouts with this ink or use other suitable products.

MODIFIERS: Use UPLUE-9090 Extender Base to extend colors and add strength. Use UPLRE-9000 as a reducer or detackifier.

ADHESION: Excellent on 100% Cotton and blends.

WASHUP: T-125 mineral spirits, or biodegradable washes SYS-2500, SYS-2550 or SYS-2510 screen wash gel.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Ultra High opacity
- Direct printing Onto Dark Fabrics
- All Lancer ink is changing to Phthalate Free
Look for the **DPF** on the label.

High Opacity Colors

L550BB	Bright Blue
L550BG	Bright Dallas Green
L550BR	Bright Red
L550FG	Fresh Green
L550FU	Fuschia
L550GO	Gold
L550LB	Light Blue
L550LG	Light Gold
L550LY	Lemon Yellow
L550OR	Orange
L550SR	Super Red
L550RO	Super Royal
L550TU	Turquoise
L550TY	True Yellow
L550VI	Violet
L550	Mixing Base

Fluorescent Colors

L550FLB	Fluorescent Blue
L550FLG	Fluorescent Green
L550FLM	Fluorescent Magenta
L550FLO	Fluorescent Orange
L550FLP	Fluorescent Pink
L550FLR	Fluorescent Red
L550FLY	Fluorescent Yellow

High Opacity Sporting Goods Colors

L533BB-	Bright Blue
L533BG	Bright Green
L533BR	Bright Red
L533BS	Bright Scarlet
L533CY	Chrome Yellow
L533GY	Golden Yellow
L533KG	Kelly Green
L533LY	Lemon Yellow
L533LG	Lime Green
L533MA	Magenta
L533OR	Orange
L533RB	Royal Blue
L533SR	Scarlet Red
L533VG	Vegas Gold

Modifiers

L501	Curable Reducer
L502	Viscosity Reducer
L504	Clear Base
L505	Process Base

Packaging

Inks and Solvents in quarts, gallons and 5-gallon pails.

Excalibur

Lancer 550 Series

HIGH OPACITY PLASTISOL INK

Excalibur[®] 550PF and 533PF Series offer printers the ultimate in opacity and printability for direct printing 100% cotton dark fabrics. For best results if printing a color by itself either a double stroke or a print/flash/print technique should be utilized. 533PF is manufactured with the same base and pigments as the 550PF Series. Available in a complete color range of 28 standard and 8 fluorescent



SPECIFICATIONS

PRINTING INSTRUCTIONS: Print off contact to lay the ink on the top of the fabric rather than pushing the ink through it.

FINISH: Cures to a gloss, finish.

OPACITY: Excellent opacity on fabrics.

DRYING TIME: Ink will surface gel at 240° F (116° C). Curing: Prints will fully cure when the entire ink film reaches 320°F (160°C) for at least 15 seconds.

SCREEN FABRIC: For direct printing a 60-305/inch (24T-122Tcm) may be used.

SCREEN COATING, FILM, BLOCKOUT: Use water soluble hand-cut, photo screens and blockouts with this ink or use other suitable products. A heavy stencil is recommended for which capillary films work well.

MODIFIERS: Because plastisol inks are thixotropic and can body up during storage always stir ink thoroughly prior to print or adding reducers. If necessary 501 Curable Reducer may be added increase printability of ink and to help clean from the screen. **CAUTION:** Adding too much 501PF Curable Reducer will reduce opacity and bleed-resistance.

WASHUP: T-125 or biodegradable washup SYS-2500, SYS-2550 or SYS-2520 screen wash gel.

SQUEEGEE: 70 durometer or 90/70/90 triple durometer blades are recommended

Packaging

Inks and solvents in qts, gallons, 5-gallon pails.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Ultra High opacity
- Super Elongation

High Stretch Colors

L400BB	Bright Blue
L400BG	Bright Green
L400BK	Black
L400BR	Bright Red
L400CL	Clear
L400LB	Light Blue
L400LG	Light Gold
L400LY	Lemon Yellow
L400OR	Orange
L400VI	Violet
L400WH	White

Modifiers

L502	Viscosity Reducer
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Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2550	Low Odor Wash
SYS-2510	Screen Wash Gel

Packaging

Inks and Solvents in quarts, gallons and 5-gallon pails.

Excalibur

Lancer 400 Series

SUPER ELONGATION PLASTISOL

400 Series Super Elongation Inks are designed for super elongation which means high stretchability. 400 Series plastisol inks will stretch and retract on materials such as spandex, lycra, neoprene and sports uniforms. 400 Series is available in a range of high opacity colors (refer to color guide). 400 Series plastisol ink has a low curing temperature for heat sensitive fabrics.



SPECIFICATION:

USES: For use on spandex, lycra, neoprene, sports uniforms, cottons, and cotton/polyester blends.

OPACITY: Excellent opacity.

DRYING TIME: 400 Series plastisol inks will not air dry. They must be heat cured. 400 Series inks will gel at 240° F and cure at 320° F for at least 15 seconds.

SCREEN FABRIC: Use 85-160 monofilament polyester depending on the substrate and desired effects.

SCREEN COATING, FILM, BLOCKOUT: Use water soluble hand-cut, photo screens and blockouts with this ink or use other suitable products.

MODIFIERS: Use small amounts of 502 reducer (up to 5%) may be used. The addition of reducer can increase curing time.

WASHUP: T-125 mineral spirits, or biodegradable washes SYS-2500, SYS-2550 or SYS-2510 screen wash gel.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features:

- Four color process ink
- Extremely soft hand
- Minimal under screen buildup
- Minimal dot gain
- Accurate colors
- Ready for use
- Non-Phthalate

PRPL Standard Colors

UPRPE-1080	Fine White
UPRPE-2080	Process Yellow
UPRPE-3080	Process Cool Magenta
UPRPE-3082	Process Magenta
UPRPE-3085	Process Hot Magenta
UPRPE-5080	Process Cyan
UPRPE-8080	Process Black
UPRPE-9080	Halftone Base

PRPL Triple Strength Colors

UPRPE-1089	Fine White
UPRPE-2089	Process Yellow
UPRPE-3089	Process Magenta
UPRPE-5089	Process Cyan
UPRPE-8089	Process Black

Modifiers

UPRPE-9080	Halftone Base
UPLRE-9000	Reducer

- All Lancer ink is changing to Phthalate Free
Look for the PF on the label.

600 Series Colors

L600PY	Process Yellow
L600PM	Process Magenta
L600PR	Process Red
L600PB	Process Blue
L600PC	Process Cyan
L600PBK	Process Black

600 Super Strength Series Colors

L600SSPY	Process Yellow
L600SSPM	Process Magenta
L600SSPR	Process Red
L600SSPB	Process Blue
L600SSPC	Process Cyan
L600SSPBK	Process Black

Modifiers

L505	Process Base
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Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2550	Low Odor Wash
SYS-2510	Screen Wash Gel

Packaging

Inks and solvents in quarts, gallons, 5-gallon pails and 55-gallon drums.



Excalibur

PROCESS AND MATCHING

Union PRPE Tru-Tone & Lancer 600 Series

EASY COLOR MATCHING OVER LIGHT COLORED GARMENTS

The PRPE and Lancer 600 Series inks are a range of transparent colors formulated for direct printing on light colored garments. Both are transparent for ease of color matching. These mix-and-match color series inks exhibit most of the characteristics of standard plastisol inks and can be used with the same modifiers and additives.

Free Photoshop plug-in for PRPE inks in both PC and MAC format.

SPECIFICATIONS PRPE

This is a unique ink system that provides an extremely short, creamy, (highly thioxotropic) body which breaks down under the shear action of the squeegee. It will flow easily through meshes as high as 355 and recovers to resting viscosity immediately afterwards. Dots don't spread and ink will not build up on the back of the screen. Each of the colors is highly transparent to provide clean halftones from highlight to deep shadow.



SPECIFICATIONS 600

A range of process colors available in regular and super strength versions. Provides brilliant process color prints for almost any design. Can be printed with up to 305T mesh.



USES: For use on light colored T-shirts, sweatshirts, jerseys, cotton and cotton/synthetic blends.

FINISH: Varies from gloss to satin, depending upon the textile being printed. Cures to a durable, soft-hand with outstanding washability and elasticity.

COVERAGE: Approximately 700 to 800 square feet per gallon when printing through 305 to 355 mesh.

DRYING TIME: Heat-cure at approximately 300° F to 325° F for 1 1/2 to 2 minutes. Will not air dry in the screen.

SCREEN COATING, FILM, BLOCKOUT: Use water soluble hand-cut, photo screens and blockouts with this ink or use other suitable products. Avoid water resistant or one pass photopolymer emulsions.

MODIFIERS: Use PRPE-9080 Halftone Base or L505 Halftone Base when printing fine detail.

WASHUP: Use T-125 or biodegradable SYS-2500 or SYS-2510 screen wash gel.

Features

- ☐Extremely thick, sharp, 3-D prints
- ☐Excellent opacity on dark garments
- ☐For T-shirts or fleece of any color

Opaque Colors

U3DSE-1000 White

Modifiers

UPLRE-9000 Reducer/Detackifier
U3DSE-9090 Extender Base

835 Excalibur High Density

L835WH White
L835BK Black

Modifiers

L835MB Mixing HD Base
L836 High Density Additive

Biodegradable Wash-Up

SYS-2500 Screen Wash
SYS-2550 Low Odor Wash
SYS-2510 Screen Wash Gel

Packaging

Available in quarts, gallons and 5 gallon pails.



Excalibur

Union 3DSE & Lancer 835 High Density Series

THREE DIMENSIONAL PLASTISOL

SHARP, THREE-DIMENSIONAL PRINTS

High density ink, when printed correctly, will produce a print with an extraordinarily thick ink layer that retains sharp edges and crisp, highly detailed definition even after curing. The Union colors in this system are based on the standard Mix-Opaque colors. Lancer colorers are based on standard plastisol colors. This is not puff ink. For satisfactory results with this ink, the screen printer must use them in combination with a correctly prepared screen and a carefully adjusted printing technique.



SPECIFICATIONS

OPACITY: Excellent opacity.

PRINTING INSTRUCTIONS:

Use a sharp 75-80 durometer squeegee. The squeegee angle and pressure must be adjusted so the ink prints a clean sharp image, but is not pushed into the fabric. Use a slow speed on both flood and print strokes. The off-contact distance should be as small as possible. Adjust the speed and angle of the screen lift so that the screen breaks away from the print immediately behind the squeegee on the print stroke. This is critical for a clean sharp print stroke with a minimum of ink retained in the mesh. These inks should be printed last in the color sequence. If this is not possible, they should be flash cured before the next color to maintain the three dimensional effect.

SCREEN FABRIC: Use 60 to 110 monofilament polyester depending on material being printed. For best results the mesh should be tensioned to at least 24 newtons.

SCREEN COATING, FILM, BLOCKOUT: To achieve the desired three dimensional effect, this ink must be printed through capillary stencil that are at least 400 microns thick. Stencils of 700 microns or over are recommended.

DRYING TIME: High density plastisol inks will not air dry. They must be heat cured. Normal plastisol inks will fully cure and withstand repeated washings when the entire ink deposit reaches 320°F. Poor washability can usually be traced to under curing.

MODIFIERS: The use of modifiers is not recommended with this ink. Occasionally, in order to obtain a sharper print, a very small amount (1-2 %) of Viscosity Reducer (UPLRE-9000) may be added.

ADDITIVE: High density additive (L836) can be added to any plastisol ink to create a high density effect.

WASHUP: T-125 mineral spirits, or biodegradable washes SYS-2500, SYS-2550 or SYS-2510 screen wash gel.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Six bright colors
- Non-tarnishing formulations
- Excellent opacity
- Wash resistant

Shimmer Colors

UPAGE-M128	Bright Silver
UPAGE-M210	Bright Gold
UPAGE-M300	Brilliant Red
UPAGE-M500	Metallic Blue
UPAGE-M600	Emerald Green
UPAGE-M800	Sparkling Black

Holographic Glitters

UHALE-G120	Solar Silver
UHALE-G250	Galaxy Gold
UHALE-G270	Cosmic Copper
UHALE-G330	Asteroid Red
UHALE-G400	Zenith Purple
UHALE-G500	Celestial Blue
UHALE-G600	Satellite Green

Features

- Fantastic Colors
- Excellent Opacity

Colors

UPAGE-J100	Crystalina
UPAGE-J120	Silver
UPAGE-J220	Pale Gold
UPAGE-J306	Princess Pink
UPAGE-J321	Brilliant Red
UPAGE-S120	Super Silver

Modifiers

UPLRE-9000	Reducer
UPAGE-9030	Glitter Clear
UPAGE-9032	Premium Glitter Clear

Biodegradable Wash-Up

SYS-2500	Screen Wash
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Packaging

Available in quarts, gallons and 5 gallon pails



Union PAGE Series

SHIMMER METALLIC PLASTISOL INK

SPECIFICATIONS

Union Shimmer inks are lead-free plastisols that cure to a glittering textured, shimmer finish. They have outstanding brightness when compared to regular metallics, and will not tarnish with age or washing. Shimmer inks are extremely flexible, stretching and recovering well. They are highly opaque, and may be printed on dark or black fabrics.



OPACITY: Excellent

CURING: Entire ink deposit must reach 300°F

FABRIC: For direct printing 60-86T monofilament is recommended except for black, where 110-125T should be used.

ALWAYS TEST PRINT BEFORE PRODUCTION

Union PAGE-J & PAGE-S Series

GLITTER METALLIC PLASTISOL INK

SPECIFICATIONS

Union Glitter inks are lead-free plastisols that provide brilliant color with excellent opacity. For direct or transfer printing, transfers take on the finish of the transfer paper.



REGULAR J GLITTERS: This formula is recommended for direct printing and yield brilliant results. They are suitable for transfer printing, but yield less brilliant results than super glitters

SUPER S GLITTERS: These inks contain more expensive polyester glitters and produce brilliant transfers. Also suitable for direct printing, but more expensive than regular glitters.

OPACITY: Excellent

CURING: Entire ink deposit must reach 300° F

FABRIC: For direct printing 20-25T monofilament is recommended and for transfers 25-33T is recommended.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Special Effects
- Brilliant Sparkle

Holographic Glitter

L700EG	Electric Green
L700FI	Fire & Ice
L700GD	Gold Dust
L700IB	Ice Blue
L700IW	Ice Wine
L700TS	Techno Silver

Glitter

L700GG	Gold Glitter
L700SG	Silver Glitter

Metallics

L700MC	Metallic Copper
L700MG	Metallic Gold Sparkle
L700MGR	Metallic Green
L700MOG	Metallic Old Gold
L700MP	Metallic purple
L700MTRE	Metallic Red
L700MRO	Metallic Royal
L700MS	Metallic Silver Sparkle

Stone Print

L750SBK	Stone Print Black
L750SFGO	Stone Print Fool's Gold
L750RR	Stone Print Red Rock
L750SLG	Stone Print Light Gold
L750SL	Stone Print Slate
L750SST	Stone Print Sandstone
L750SWH	Stone Print White

Specialty

L700GLO	Glow-In-The-Dark
L700CRY	Crystalina
L700CB	Clear Base

Modifiers

L501	Curable Reducer
L502	Viscosity Reducer

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2550	Low Odor Wash
SYS-2510	Screen Wash Gel

Packaging

Inks and Solvents in quarts, gallons and 5-gallon pails.



SPECIAL EFFECT PLASTISOL INK

700 Series specialty products
metallic and colored
metallics, Glitter,
Holographic Glitter, Stone
Print, Crystalina, and Glow
in the Dark inks.



SPECIFICATIONS

USES: For use on cottons, cotton/polyester blends, plus many special effect fabrics. Test before using.

OPACITY: Excellent opacity.

DRYING TIME: 700 Series plastisol inks will not air dry. They must be heat cured. Because of the bright reflective nature of metallics, extra time may be required. Glitter inks will require extra time because of the very high deposit of ink. These inks will be cured when the entire thickness of the ink film reaches 325°F.

SCREEN FABRIC: Metallics - 80-110, Holographic Glitter - 24-32, Glitter - 24-30, and Glow in the dark - 80-160.

SCREEN COATING, FILM, BLOCKOUT: Use water soluble hand-cut, photo screens and blockouts with this ink or use other suitable products.

MODIFIERS: Use small amounts of 502 reducer (up to 5%, or 1 to 3% for holographic glitter).

WASHUP: T-125 mineral spirits, or biodegradable washes SYS-2500, SYS-2550 or SYS-2510 screen wash gel.

ALWAYS TEST PRINT BEFORE PRODUCTION

ALL Lancer Inks are available in a Phthalate Free Version.

PLSE Features

- ☐ Suede texture
- ☐ Very opaque
- ☐ White, colored, and black garments
- ☐ For direct printing

UNPSU-KIT Starter Kit

Suede Colors

UNPSU-1000 White
UNPSU-8000 Black

Additives

UNPSU-9100 Suede Additive

Washup

SYS-2500 Biodegradable Wash

REFL Features

- ☐ Bright Reflection
- ☐ Easy To Use - One Part Ink
- ☐ White, and Light Colored Garments
- ☐ Dark Fabrics With Discharge Under base

Reflective Colors

UREFE-1500 Neutral Grey
UREFE-1504 Dark Grey
UREFE-8000 Black

Additives

UPLRE-9000 Reducer
UMIXE-9070 Soft Hand Base

Washup

SYS-2500 Biodegradable Wash



Union PLSE Series

SUEDE PLASTISOL

SPECIFICATIONS

Union Ink's Suede Plastisol ink combines a matte finish with fuzzy texture and a slight puff. The resulting print is almost indistinguishable from suede leather in texture and appearance. Suede Plastisol can also be used to simulate sand or stone. Even when not used to mimic natural surfaces, this ink can be used for unusual and subtle special effects.

OPACITY: Excellent

CURING: Entire ink deposit must reach 310°F

FABRIC: Print through 110T Mesh.

ADDITIVES: Suede inks are supplies ready to print. Since plastisol inks body up as they sit in the container, you should always stir well to determine actual printing viscosity. Reducing will reduce opacity. UNPSU-9090 base is intended to be used with toners to obtain additional colors.

WASHABILITY: Excellent if fully cured. Do not dry clean.

Union REFE Series

REFLECTIVE PLASTISOL

Flash Back ink is an easy to use, one part plastisol ink that contains millions of light reflecting micro spheres. Under daylight conditions, the ink appears normal, but when exposed to focused light as from an automobile headlight, a glittering image is reflected back to the light source. Ideal for safety garments for joggers, cyclists, construction workers, or police and fire departments. Also ideal for novelty prints such as Halloween or rock concerts.

SPECIFICATIONS

USES: Not recommended for non-porous fabrics such as woven nylon, nor should it be used over plastisol under base. Works well over discharge under bases. Mixed results over irregular fabrics

OPACITY: Transparent, colors will not show up well on dark or colored fabrics. However reflective effect is unaffected by garment color.

CURING: Entire ink deposit must reach 340°F. Reflective plastisol requires higher heat and longer time than regular plastisol.

FABRIC: Print through 110T Mesh. Coarser mesh will reduce reflective effect.

ADDITIVES & MIXING: Reflective materials settle and require mixing before use. Reflective inks are supplies ready to print. May be reduced with 1-2% UPLRE-9000 reducer or UPADS-E9090 Soft Hand Base.

WASHABILITY: Some deterioration in reflective quality after 25 or more washings. Do Not Dryclean

Features

- Highly Bleed Resistant Formula
- Designed to have High Stretch
- For direct or transfer printing
- Very Opaque with a Soft Hand
- Phthalate Free - PVC free
- Useable w/ Evolution PC Concentrates
- Nike RSL approved

High Opacity Colors

STI-7581	Opaque White
STI-7550BK	Opaque Black
STI-7700	Clear Base
STI-7550	High Opacity Base
STI-7550AQ	Aqua
STI-7550BG	Blazer Gold
STI-7550BO	Burnt Orange
STI-7550BR	Bright Royal Blue
STI-7550BS	Bright Scarlet
STI-7550CB	Columbia Blue
STI-7550CG	Crome Green
STI-7550CR	Cardinal Red
STI-7550DB	Dark Brown
STI-7550DP	Deep Purple
STI-7550GO	Gold
STI-7550GR	Gray
STI-7550GY	Golden Yellow
STI-7550KG	Kelly Green
STI-7550LO	Light Orange
STI-7550LY	Lemon Yellow
STI-7550MA	Maroon
STI-7550MY	Michigan Yellow
STI-7550NB	Navy Blue
STI-7550OR	Orange
STI-7550RB	Royal Blue
STI-7550SR	Scarlet
STI-7550TO	Texas Orange
STI-7550VG	Vegas Gold

ColorPro Colors - Color Match System

STI-7551BK	Black
STI-7551BGS	Blue (GS)
STI-7551BRS	Blue (RS)
STI-7551GR	Green
STI-7551MA	Magenta
STI-7551RBS	Red (BS)
STI-7551RYS	Red (YS)
STI-7551VI	Violet
STI-7551YGS	Yellow (GS)
STI-7551YRS	Yellow (RS)
STI-7551WH	White
STI-7504	Mixing Base

MODIFIERS

STI-7902	Reducer
STI-7150	Catalyst

TRANSFER POWDER

L-S1	Super Hold Transfer Powder (sold by the pound)
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Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2550	Low Odor Wash

Excellence

STI SERIES SILICONE INKS

READY FOR USE & CONCENTRATE INKS

The STI Silicone Ink System is a direct-print ink that produces completely PVC-free and phthalate-free prints for athletic uniforms and performance wear garments. Prints will exhibit extremely high-stretch, high-opacity and a soft, smooth hand-feel. This system is extremely bleed-resistant when curing parameters are followed. The direct-print system contains a white, three bases, all Evolution PC Concentrates for mixing colours, And an RFU line of colours that will match the NX6550 Series.



SPECIFICATIONS

USES: For use on performance fabrics as well as high stretch fabrics such as Spandex and Lycra.

PRINTING RECOMMENDATIONS: For the most durable transfers a thick ink deposit is recommended. If using direct emulsion, coat your screen normally, then face coat the print side of the screen until the necessary stencil thickness is achieved. Capillary films in the 150-200 micron range may also be used to achieve a thick stencil thickness.

CATALYST: Mixing Catalyst--Prior to printing mix catalyst into ink using the following proportions:
White 3-4% by weight.
Clear and Colors 4-5% by weight.

CAUTION--Because higher amounts of catalyst will decrease pot life it is recommended that only the amount of ink that can be printed in a four to six hour period be mixed at any one time

MIXING PIGMENTS & BASES: 10-15% pigment load into appropriate base for application is recommended. **CAUTION:** Pigment loads higher than 15% can cause crocking and curing issues.

SCREEN COATING, FILM, BLOCKOUT: Use water soluble hand-cut, photo screens and blockouts with this ink or.

MODIFIERS: 3%-4% STI7902 Reducer can be used when necessary

MESH: White and Clear □ 83-125/inch (32T-48T cm).
Colors □ 83-/inch-125/inch (43T-48T cm).

SQUEEGEE: 70 durometer or 70/90/70 triple durometer squeegees

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Flat finish
- Low cure temperature
- Extremely durable
- Very opaque

Colors

- UPLPE-1000 White
- UPLPE-1052 Low-Bleed White

Modifiers

- UPLRE-9000 Reducer
- UPLPE-9111 PUFF Additive
- T-125 Washup

Biodegradable Wash-Up

- SYS-2500 Screen Wash
- SYS-2550 Low Odor Wash
- SYS-2510 Screen Wash Gel

Features

- Non-slip foam coating
- Stretches without breaking
- Ideal for gloves and socks
- Very opaque

Colors

- L825BA Base
- L825BK Black
- L825WH White

Biodegradable Wash-Up

- SYS-2500 Screen Wash
- SYS-2550 Low Odor Wash
- SYS-2510 Screen Wash Gel

Available in Quarts, Gallons, 5 Gallon, and 50 gallon drums



Union PLPE Series

PLASTISOL PUFF INK

Formulated to cure and expand rapidly, at lower temperatures than older generation puff inks. Produces a strong, lasting ink film with a high, flat finish and excellent abrasion resistance.

SPECIFICATIONS

PRINTING: Puff inks expand in all directions when heated, so ink must lay on top of the garment. This helps the ink puff away from the garment, not into it. Printing on a soft surface such as a rubber pad is recommended. More than one stroke may also be necessary.

OPACITY: Excellent opacity on all fabrics. May not look opaque until cured

DRYING TIME: PLPF Series plastisol inks expand to a durable finish when they reach 310°F. Flash curing at lower temperatures for multiple colors is permissible provided all colors reach 310°F at the final curing stage

SCREEN FABRIC: Use 33 to 76 monofilament polyester for heavy ink deposit.

SCREEN COATING, FILM, BLOCKOUT: Use water soluble hand-cut, photo screens and blockouts with this ink or use other suitable products. A heavy stencil is recommended for which capillary films work well.

MODIFIERS: PLPF inks are ready to use straight from the can but can be reduced with small amounts of UPLUS-9000 as a reducer or detackifier.

WASHUP: T-125 or biodegradable washups SYS-2500, SYS-2550 or SYS-2510 screen wash gel

PUFF ADDITIVE: Standard plastisol can be turned into a puff ink with the addition of PLPF-9111 or PUFFS-9111 additive at the rate of 1 part additive to 6 parts ink.

ALWAYS TEST PRINT BEFORE PRODUCTION



825 SERIES FOAM GRIP INK

825 Series Foam Grip ink is a plastisol for special purpose □non-slip□ coatings. Ideal for gloves and socks. When printed with a thick coating, it gives a slightly raised □foam□finish. Works well on lycra and spandex, and stretches without breaking

OPACITY: Excellent

DRYING TIME: 1-1/2 to 2 minutes at 350°F. Takes longer to cure than standard plastisols. After curing, it should feel foamy and tacky

SCREEN FABRIC: Use 60 to 80 monofilament polyester for heavy ink deposit.

SCREEN COATING, FILM, BLOCKOUT: Use water soluble hand-cut, photo screens and blockouts with this ink or use other suitable products. A heavy stencil is recommended for which capillary films work well.

WASHUP: T-125 or biodegradable washups SYS-2500, SYS-2550 or SYS-2510 screen wash gel

ALWAYS TEST PRINT BEFORE PRODUCTION



PLASTISOL ADDITIVES

NYLON TRANSFER POWDER

PERMANENT ADHESION OF PLASTISOL HEAT TRANSFERS

ULON-2027 multi-purpose Transfer Adherent Powder provides permanent adhesion to nylon, polyester and other synthetics.

These powders are simply sprinkled on the transfer after printing. Once fused, the treated transfer can be applied to the fabric or garment; positive bonding results. ULON-2027 will not cause discoloration or shrinkage. Transfer remains permanently bonded under normal washing and drying conditions. Sold by the pound

ULON-2027 Union Transfer Powder

NYLO BOND

STRENGTHENS ADHESION OF PLASTISOL INKS TO NYLON

Nylon bonding agents are additives which, when mixed with plastisol colors, provide adhesion to water proofed nylon jackets and other garments. Simply add 10-15% to the plastisol (by weight). To obtain a 10% addition, the following is recommended:

To one quart white, add 6 oz Bonding Agent
To one quart color, add 4 oz. Bonding Agent

For more effective bonding on more highly water-proofed garments, use 15%:

To one quart white, add 9 oz. Bonding Agent
To one quart color, add 6 oz. Bonding Agent

Less than 10% may prevent adhesion or abrasion resistance. More than 15% Nylobond may diminish opacity and shorten shelf life. Working life for 10% mixture is 8 to 16 hours. A 15% mixture is 6 to 8 hours.

*Always test on actual substrate before printing.

UNYBE-9120-4	Nylobond	4 oz.
UNYBE-9120-8	Nylobond	8 oz.
UNYBE-9120-P	Nylobond	Pint
UNYBE-9120-Q	Nylobond	Qt.

SOFT HAND BASE

Softens the feel of plastisol on the finished garment. Use 20-25% by weight. Available in quarts, gallons and 5 gallon drums.

UMIXE-9070 Soft Hand Base

FOIL

METALLIC TRANSFER FOILS

Brilliant, high gloss metallic foils specially selected for application to T-Shirts and other textiles using a heat transfer press. Unifoil will adhere to most plastisols; however, adhesion, flexibility, abrasion resistance, and washability can be increased by the addition of Ulon Transfer Powder. 10 to 15% Ulon Powder mixed with the plastisol will increase Unifoil longevity. For application, cut foil to desired size and shape. Place it color side up on the area to be "foiled". Heat the transfer press to 325 to 350°F with pressure set at medium to high for 10 -15 seconds for applying to a direct print. Allow the foil and fabric to completely cool before peeling. For best results the color of the plastisol being "foiled" should be black or the complimentary color of the foil. This will help mask tarnishing and chipping as the foil wears. Prints decorated with foil are not as durable as an undecorated print, and should not be expected to withstand the punishment that a regular direct print or transfer can take. Some dulling of the foil should be expected. Garments should be hand washed using cool to lukewarm water and hung to dry.

12"x 200"rolls, 24"x 200"available on request.

ULON-2159	Union Unifoil Transfer Powder
UFOIL-M120	Silver
UFOIL-M220	Gold
UFOIL-M100	Copper
UFOIL-3000	Red
UFOIL-3111	Pink
UFOIL-5035	Royal Blue
UFOIL-6000	Green

BUILD-UP BUSTER

When added to plastisol inks, Build-Up Buster dramatically reduces the amount of ink that adheres to the bottom of the screen. This build up can lead to undesirable smearing while wet on wet printing. Add Build-Up Buster should be added in a 2 to 5% ratio by weight. Build-Up Buster can evaporate out of mixed inks, therefore inks should be covered with a tight lid for storage. Available in quarts and gallons.

UPLUE-9020 Build-Up Buster

PLASTISOL THICKENER

This easy to use additive is designed to help the printer that has added too much reducer and would like to bring back the viscosity. Plastisol Thickener can be easily stirred in by hand, avoiding the mess of powder type thickeners. Should be added 1 to 5% by weight to ink. Available in quarts and gallons.

UPLUE-9114 Plastisol Thickener



PLASTISOL ADDITIVES

SUEDE ADDITIVE

This additive creates a suede look and feel when added to 500/550 series inks. Add 10% to 13% by weight. Print through 80-160 mesh. Available in quarts, gallons, and 5 gallon containers.

L-SA Suede Additive

LOW CURE ADDITIVE

This additive reduces the curing temperature of all Excalibur direct print inks. A simple addition of 5% - 6% Low Cure Additive will reduce curing temperatures to as low as 265°F. Available in quarts, gallons, and 5 gallon containers.

L-LCA Low Cure Additive

NYLON BONDING AGENT

STRENGTHENS ADHESION OF PLASTISOL INKS TO NYLON

Nylon bonding agents are additives which, when mixed with plastisol colors, provide adhesion to water proofed nylon jackets and other garments. Simply add 15% to the plastisol (by weight).

For more effective bonding on more highly water-proofed garments, use 15%:

To one quart white, add 9 oz. Bonding Agent
To one quart color, add 6 oz. Bonding Agent

Less than 10% may prevent adhesion or abrasion resistance. More than 15% X100 Bonding Agent may diminish opacity and shorten shelf life. Working life for 15% mixture is 2 to 4 hours.

Note: When using X100 Bonding Agent, it is advised to wear gloves, protective clothing, and eye protection. Use with adequate ventilation. Avoid contact with skin and eyes.

*Always test on actual substrate before printing.

L-X150-8 Bonding Agent 8 oz.
L-X150-P Bonding Agent Pint
L-X150-Q Bonding Agent Qt.

LOW BLEED ADDITIVE

Greatly improves the bleed resistance of Excalibur direct print inks. Add 5% LBA to direct print inks by weight. Available in quarts, gallons and 5 gallon drums.

L-LBA Low Bleed Additive

HIGH STRETCH ADDITIVE

Greatly increases stretchability of Excalibur direct print inks. (Not recommended for 700 Series as clarity will be lost.) Add 5% HSA to Excalibur direct print inks by weight. Available in quarts, gallons and 5 gallon drums.

L-HSA High Stretch Additive

HIGH GLOSS ADDITIVE

High Gloss Additive e greatly increases the gloss level of plastisol prints. Ideal for crystal clear high density and jelly print. Add 3% to 5% by weight and mix well. Available in quarts and gallons and five gallon containers.

L-HGA High Gloss Additive

PUFF ADDITIVE

An additive that is easily mixed into plastisol ink to create a beautiful puff effect. It is recommended to use 500 Series Excalibur ink as the base. Add 20% to 30% PF-97 by weight. Available in quarts and gallons and five gallon containers.

L-PF-97 Puff Additive.

501 CURABLE REDUCER

501 is a perfectly balanced reducer that can be used in virtually any quantity. It will not affect the cure ability of the ink. It can be used to achieve a softer hand. It is recommended for use in most direct print plastisols, including 500, 550, and 600 Series Inks. Note: Opacity may be reduced with the addition of 501 reducer. Available in quarts and gallons and five gallon containers.

L501 Curable Reducer

502 VISCOSITY REDUCER

For a softer hand, limited amounts of 502 reducer may be used to achieve the desired consistency. Limited amounts of 501 reducer will duplicate the look and feel of a water based print. It will remain an integral component of the cured design. Gelation and fusion temperature of the base plastisol will change with the addition of 502 reducer. Use of 502 reducer may increase curing time. Use a maximum of 3% to 5% Available in quarts and gallons and five gallon containers.

L-502 Viscosity Reducer



Features

- PVC/Phthalate Free □Won't dry in the screen
- Excellent opacity & soft hand feel
- Cures at lower temperatures

Opaque Colors

LNX6500BK	Black
LNX6581	Optical White

High Opacity Colors

LNX6550AQ	Aqua
LNX6550BG	Blazer Gold
LNX6550BO	Burnt Orange
LNX6550BRB	Bright Royal Blue
LNX6550BS	Bright Scarlet Red
LNX6550CB	Columbia Blue
LNX6550CG	Chrome Green
LNX6550CGY	Collegiate Golden Yellow
LNX6550CR	Cardinal Red
LNX6550DB	Dark Brown
LNX6550DP	Deep Purple
LNX6550GO	Gold
LNX6550GY	Grey
LNX6550KG	Kelly Green
LNX6550LO	Light Orange
LNX6550LY	Lemon Yellow
LNX6550MA	Maroon
LLNX6550MY	Michigan Yellow
NX6550NB	Navy Blue
LNX6550OR	Orange
LNX6550RB	Royal Blue
LNX6550SC	Scarlet Red
LNX6550TO	Texas Orange
LNX6550VG	Vegas Gold

Fluorescent Colors

LNX6500FLB	Fluorescent Blue
LNX6500FLG	Fluorescent Green
LNX6500FLM	Fluorescent Magenta
LNX6500FLO	Fluorescent Orange
LNX6500FLP	Fluorescent Pink
LNX6500FLR	Fluorescent Red
LNX6500GLV	Fluoroscope Violet
LNX6500FLY	Fluorescent Yellow

ColorPro Colors Opaque Mixing Colors

LNX6551BK	Black
LNX6551BGS	Blue (GS)
LNX6551BRS	Blue (RS)
LNX6551GR	Green
LNX6551MA	Magenta
LNX6551RBS	Red (BS)
LNX6551RYS	Red (YS)
LNX6551VI	Violet
LNX6551YGS	Yellow (GS)
LNX6551YRS	Yellow (RS)
LNX6551WH	White
LNX6551	Mixing Base

Metallics

LNX6700MS	Metallic Silver
LNX6700MG	Metallic Gold
LNX6700GG	Gold Glitter
LNX6700SG	Silver Glitter
LNX6700CRY	Crystallina
LNX6700GLO	Glow In the Dark
LNX6700BA	Metallic Base

Modifiers

LNX6501	Curable Reducer
LNX6502	Reducer
LNX6504	Base
LNX6550BA	High Opacity Base
LNX6505	Process Base
LNX6841	Printable Adhesive

Defender Dye Blocker

LNX6710	Defender Grey
LNX6711	Defender Black
LNX6709	Defender Base

Excalibur

Lancer 6500/6550 Series

PVC / PHTHALATE FREE INK

FOR DIRECT PRINTING OR COLD PEEL TRANSFERS

Excalibur Evolution is unique in that it represents an entirely new generation of textile screen printing inks. Evolution does not contain any PVC of phthalates. Unlike previous versions of PVC/phthalate free inks, Evolution will not dry in the screens, causing choking problems. It prints and handles like conventional plastisol.



SPECIFICATIONS

USES: For use on cottons, cotton/polyester blends and most synthetics, can be used on cold peel transfers, see instructions

FINISH: Cures to a soft-hand finish.

OPACITY: Excellent opacity.

DRYING TIME: 6500/6550 Series plastisol inks will not air dry. They must be heat cured. Evolution inks will fully cure and withstand repeated washings when the entire ink deposit reaches 270° F to 280° F. Curing can be accomplished with the use of a conveyor dryer, flash curing unit, or simple infrared heater.

TRANSFERS: Transfert 75 paper is recommended. After printing and gelling the design, the entire print must be backed by 6841 Printable Adhesive.

SCREEN FABRIC: Use 40-305 monofilament polyester depending on the substrate for direct prints, 80-125 mesh for transfers.

SCREEN COATING, FILM, BLOCKOUT: Use water soluble hand-cut, photo screens and blockouts with this ink or use other suitable products. Make sure all are PVC/phthalate free.

MODIFIERS: Use small amounts of 6501 reducer (1% to 2%), or 6504 (up to 5%).

Do not use plastisol reducers or solvents!

WASHUP: Biodegradable washes SYS-2500, SYS-2550 or SYS-2510 screen wash gel.

STORAGE: Should be stored at temperatures less than 86°F.

PACKAGING

Inks and Solvents in quarts, gallons & 5-gallon pails.

ALWAYS TEST PRINT BEFORE PRODUCTION

612-729-7361 ---- Phone
612-729-6647 ---- Fax

nwgraphic.com

800-221-4079 ---- Toll Free Phone
800-544-7022 ---- Toll Free Fax

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Features

- Heat cure or air dry
- Brilliant color range
- Washup with water
- Easy to print
- Low Odor

AQUAPRINT Opaque Colors

- AQP-5300BK Black
- AQP-5381 White
- AQP-5304 Base

AQUAPRO

- AQP-5533MY Michigan Yellow
- AQP-5533LY Lemon Yellow
- AQP-5533CGY Collegiate Golden Yellow
- AQP-5533GO Gold
- AQP-5533BG Blazer Gold
- AQP-5533VG Vegas Gold
- AQP-5533LO Light Orange
- AQP-5533TO Texas Orange
- AQP-5533BO Burnt Orange
- AQP-5533BS Bright Scarlet Red
- AQP-5533SC Scarlet Red
- AQP-5533CR Cardinal Red
- AQP-5533MA Maroon
- AQP-5533DB Dark Brown
- AQP-5533KG Kelly Green
- AQP-5533CG Chrome Green
- AQP-5533AQ Aqua
- AQP-5533CB Columbia Blue
- AQP-5533BR Bright Royal
- AQP-5533RB Royal Blue
- AQP-5533NB Navy Blue
- AQP-5533DP Deep Purple
- AQP-5533-GY Grey

AQUAPRO Special Effects

- AQP-5700TS Techno Silver Glitter
- AQP-5700GD Gold Dust
- AQP-5700W Ice Wine
- AQP-5700FI Fire & Ice
- AQP-5700B Ice Blue
- AQP-5700EG Electric Green
- AQP-5700SG Silver Glitter
- AQP-5700GG Gold Glitter
- AQP-5700CRY Crystallina
- AQP-5700GL Glow In The Dark
- AQP-5700RS High Reflective Silver
- AQP-5700RW High Reflective White
- AQP-5700MS Metallic Silver
- AQP-5700MG Metallic Gold
- AQP-5700MOP Metallic Old Gold
- AQP-5700MP Metallic Purple
- AQP-5700MR Metallic Royal
- AQP-5700MG Metallic Green

Modifiers

- Aquafix Curing Agent
- AQT-2593 Low Crook
- AQT-2594 Aqualife Retarder
- AQT-2595 Thickener

Packaging

Available in quarts, gallons and 5-gallon pails; and 55 gallon drums.



WATER BASED Textile Ink

AQUASOFT / AQUAPRO

AQUASOFT AQUASOFT

AquaSoft water-based inks provide a soft hand finish with excellent washability when fully cured. All AquaSoft inks are formulated for printing on white or light colored garments and provide excellent results on terry-cloth towels. AquaSoft inks are formulated to resist clogging in the screen.



AquaPrint inks are high-opacity and high-solids, water-based inks that will stretch and retract easily when prints reach a full cure. They have excellent adhesion to a wide variety of substrates such as spandex, leather, Lycra, cotton/poly blends, and knitted nylons. Aquaprint inks are fully washable, and can be dry cleaned.

SPECIFICATIONS

DRYING TIME: Inks will fully cure when put through forced-air, conveyor dryers for 90 seconds at 320° degrees. If dryer lengths will not allow a dwell time of 90 seconds, the addition of 2% Aquafix Catalyst will fully cure the inks after 48-72 hours. If no dryer is available, add 2% Aquafix Catalyst and allow to air dry until the ink is dry to the touch. After ink is dry to the touch, put print inside a home laundry dryer on high heat for 20-30 minutes or iron the back of the print with an iron set on the cotton setting. Full cure can be tested by cutting finished print in half and washing one-half of print three times and comparing to unwashed print.

SCREEN FABRIC: 83-305/inch mesh depending upon substrate, opacity and detail in print design

SCREEN COATING, FILM, BLOCKOUT: Use water resistant emulsion, preferable with hardener.

MODIFIERS: Reducing is not recommended, as opacity and color density will be lost. If necessary, a small amount of water may be added. Aqualife Retarder may be used in amounts of 5 - 10% to prevent screen from clogging.

PRINT TECHNIQUE: After print stroke, designs should be fully flooded with ink to prevent clogging of mesh. If any clogging occurs rub both sides of screen vigorously with water or water-based cleanup to open mesh. For high-opacity prints a print flash print technique may be necessary

SQUEEGEE: 70 or 70/90/70 durometer yield best results..

WASHUP: Use water to clean screens and tools, or biodegradable washups 2500, 2550 or 2510 screen wash gel for badly dried in screens.

ALWAYS TEST PRINT BEFORE PRODUCTION



Features

- Prints have soft hand
- Easy to print
- 40 Standard colors
- Ready to use
- Heat cure or air dry
- Brilliant color range
- Washup with water
- Easy to print
- Low Odor

Opaque Colors

ATEX-1000	White
ATEX-1020	Super Opaque White
ATEX-2011	Lemon Yellow
ATEX-2021	Chrome Yellow
ATEX-2051	Orange
ATEX-3006	Brite Red
ATEX-3011	Scarlet Red
ATEX-4020	Royal Purple
ATEX-5000	Peacock Blue
ATEX-5035	Royal Blue
ATEX-5040	Navy Blue
ATEX-6030	Spring Green
ATEX-7031	Sienna Brown
ATEX-8000	Black
ATEX-F666	Phosphorescent Green

Shimmer Metallics

ATEX-M100	Copper
ATEX-M120	Silver
ATEX-M220	Gold
ATEX-M311	Red
ATEX-M320	Pink
ATEX-M420	Purple
ATEX-M520	Powder Blue
ATEX-M630	Mint Green
ATEX-M700	Walnut
ATEX-M800	Black

Modifiers

ATEX-9090	Extender Base
Solv-1679	Reducer/Retarder
ATEX-9120	Catalyst

Packaging

Available in quarts, gallons and 5-gallon pails; and 55 gallon drum



WATER BASED Textile Ink

ATEX INK

SAFE AND LOW ODOR WATER-BASED TEXTILE INKS

Aerotex is a water-based textile ink formulated for printing on cotton, cotton/polyester blends and many synthetic fabrics. When used with Catalyst (ATEX-9120) it will air-cure at room temperature to optimum wash resistance 24 hours after printing. Aerotex Inks are not recommended for nylon or fabrics which are treated with water-repellent coatings.



SPECIFICATIONS

USES: For use on white or light pastel cottons, blends, dress wear, linens, toweling, slipcovers, T-shirts, bedspreads and hats.

FINISH: Equal to fabric printed.

OPACITY: Aerotex is a medium-opacity ink. White (ATEX- 1000) may be printed as a separate color or added to Aerotex colors to increase opacity. Super Opaque white (ATEX-1020) will cover dark fabrics and diminish bleeding but has less stretchability than other ATEX colors and is not recommended for printing on t-shirts or other garments that stretch.

DRYING TIME: Catalyzed prints will set enough for stacking within minutes after printing and continue to cure at room temperature. Wash tests should not be done for 24 hours after printing. To speed up production, dry prints at approximately 250° F (121° C) for 2 minutes.

SCREEN FABRIC: Use monofilament polyester meshes ranging from 110-143 (43-55 metric)..

SCREEN COATING, FILM, BLOCKOUT: Use water resistant emulsion, preferable with hardener.

MODIFIERS: Aerotex is supplied ready-for-use. If necessary, up to 10% SOLV-1679 or 2-5% Stay Open (ATEX-9600) can be added to control screen clogging. Additives will reduce opacity.

CATALYST: Aerotex Catalyst (ATEX-9120) must be added in a ratio of 1 1/2 oz. Catalyst to 1 quart of ink (1 to 64 by volume) for washfastness. Inks are supplied with the correct amount of catalyst. The ink/catalyst mixture has an average pot life of approximately 8 hours. Do not use the mixture after that period. The mixture may show signs of deterioration sooner, in which case it should be discarded

SQUEEGEE: Soft to medium in the 60 to 70 range.

WASHUP: Clean up with water immediately after printing. Detergent (SYS-5505), or a commercial detergent containing at least five percent ammonia is recommended where ink may have dried in the screen.

ALWAYS TEST PRINT BEFORE PRODUCTION



Features

- Ability to use wide range of mesh counts up to 300+.
- Exceptionally soft hand
- Intense pigment colors
- Formulated for tack free enhanced screen stability
- Ability to achieve the Pantone® Colors
- Washup with water
- Easy to print

Ready For Use Color

MA-WS0465	Opaque White
MA-WB0360	Yellow
MA-WB0361	PMS 130 Orange
MA-WB0362	PMS 186 Red
MA-WB0363	PMS 287 Blue
MA-WB0365	PMS 341 Green

Ready For Use Process Color

MA-WS0364	Process Blue
MA-WS0354	Process Cyan
MA-WS0355	Process Magenta
MA-WS0356	Process Yellow
MA-WS0357	Process Black

Ready For Use Alpha Color

MA-WB00383	Yellow 012
MA-WB00384	Orange 021
MA-WB00385	Warm Red
MA-WB00386	Rubine Red
MA-WB00387	Rhodamine Red
MA-WB00388	Purple
MA-WB00389	Medium Purple
MA-WB00390	Violet
MA-WB00391	Dark Blue
MA-WB00392	Reflex Blue
MA-WB00393	Process Blue
MA-WB00394	Green
MA-WB00395	Black
MA-WB00395	Transparent White

Bases

MA-WS0462	Clear Base
MA-WS0463	Matte Extender
MA-WS0459	Metallic Binder
MA-WS0508	Pearl Binder
MA-WS0526	Stretch Clear
MA-WS0525	Stretch White
MA-WB0126	Discharge Base
MA-WS0505	Discharge Binder

Discharge Whites

MA-WW0202	Brite Discharge Wht
MA-WW0203	Super 75 White
MA-WW0205	Discharge White

Modifiers

MA-RM0480	Fixer N
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Biodegradable Wash-Up

SYS-2300	Screen Wash
SYS-2500	Screen Wash
SYS-2550	Low Odor Wash
SYS-2510	Screen Wash Gel

WATER BASED TEXTILE INK

MATSUI

Matsui's new 301 ECO-Series Water Based Ink System base binders, pigments and inks are specifically designed for today's high speed automatic screen printing presses. The eco-friendly 301 ECO-Series inks offer advantages over the traditional plastisol inks and are superior to plastisol ink systems currently being used in high volume textile shops.



The 301 Eco Series Inks

manufactured by Matsui Shikiso Chemical Co., Ltd., Japan contains no harmful chemicals or toxic substances as known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986) law.

ALPHA COLOR SERIES: Alpha Color Series is an RFU system designed to work on light and dark fabrics. You can print these inks directly onto light colored fabrics or mix to make specific colors using the color guide book. Alpha Color can also be printed on top of a white water based ink or discharge under base. You can use this system on dark fabrics by adding discharge agent into the ink. Use 3% to 5% discharge agent.

SPECIFICATIONS

USES: For high fashion wearables, light-colored T-shirts, sweatshirts and towels of cotton, cotton polyester blends, and cotton rayon blends.

PRINTING: Neo color pigment must be mixed with a base before printing. By itself, it will not adhere to fabrics.

OPACITY: Transparent

DRYING TIME: Cure for 2.5 to 3 minutes at 320° F (160° C). Use air flow dryer to cure ink more efficiently

SCREEN FABRIC: 110 to 305 monofilament polyester,

SCREEN COATING, FILM, BLOCKOUT: Use only water resistant emulsions, films, and blockouts.

MODIFIERS: Use Fixer N to increase wash fastness.

SQUEEGEES: Use 60 to 80 duro square edge squeegees.

WASHUP: soap and water or Screen Systems 5505 degreaser.

PACKAGING: Available in quarts, gallons, and 5 gallon containers.

ALWAYS TEST PRINT BEFORE PRODUCTION

Matsui Bases

Bases can be mixed with Pigments, Glo Color, and any other base to create unique inks. All are available in quarts, gallons, 5 gallon pails and 55 gallon drums.

High Mesh 301 Bases

Recommended for use with up to 305 Mesh. Mix Mat and White for an opaque base.

MA-WS0462 301C Clear Base
MA-WS0464 301M Mat Base
MA-WS0464 301 W White

Easy Print 301 Bases

Recommended for use with up to 230 Mesh. Ideal for 50/50 blends and high stretch fabrics.

MA-WS0527 Easy Print 301 Clear Base
MA-WS0528 Easy Print 301 Mat Base
MA-WS0464 Easy Print 301 White

Stretch 301 Bases

Recommended for use with up to 160 Mesh. Ideal for performance fabrics. Acrylicon is recommended for cotton, Soft stretch is recommended for polyester and simulated discharge looks.

MA-WS0530 Acrylicon Clear Base
MA-WS0531 Acrylicon White
MA-WS0526 Soft Stretch Clear Base
MA-WS0525 Soft Stretch White
MA-WS0501 Stretch Clear Base
MA-WS0511 Stretch Mat Base
MA-WS0502 Stretch White

Matsui Special Effect Bases

Crack Binder

Semi-opaque base that creates a crack or weathered effect.

MA-WB0053 Crack Base
MA-WB0009 Crack Base Hi Opacity

Flock Binder

Adhesive base for direct flocking

MA-WB0058 Flock Binder

Foaming (Puff) Base

High concentration foam/puff for 3D prints.

MA-WB0572 Foaming Base

Foil Adhesive

Adhesive base for flock sheets or foil

MA-WB0056 Foil Adhesive

Glitter Base

Penetrates the fabric leaving the glitter flakes exposed,

MA-WB0504 Glitter Base

Metallic Binder

Blended with Neo Pigments for a metallic effect.

MA-WS0456 Metallic Binder

Pearl Binder

Blended with Neo Pigments for a pearlescent effect

MA-WS0508 Pearl Binder

Top Print (Prevents Foil Adhesion)

MA-WS0474 Top Print

Under Base Blocker

MA-WS0482 Under Base Blocker (Gray)
MA-WS0486 Under Base Blocker (Black)

Matsui Auxiliary Items

Fixer-L

Eco friendly low temperature curing fixing agent.
24 hour shelf life after mixing. Use 1 - 2%

MA-RM0488 Fixer-L

Fixer-N

Eco friendly fixing agent at 250 - 260°. Use 1 - 3%

MA-RM0480 Fixer-N

Retarder MG

Extends open time and prevents clogging in screens.
Use 1 - 3%

MA-RM0590 Retarder MG

Softener MG

Silicone like softener that helps improve the hand-feel of a print and ink release from the screen. Excellent for discharge. Use 3 - 10%

MA-WB1011 Softener MG

Features

- Bright Colors
- Scuff Resistant on Solid Substrates
- Adheres to Some Vinyls and Plastics
- Archival Qualities
- Stays Open In The Screen

Colors

- 100 Extender
- 101 Yellow
- 102 Golden Yellow
- 103 Orange
- 104 Red
- 105 Bright Red
- 106 Scarlet
- 107 Magenta
- 108 Violet
- 109 Sky Blue
- 110 Royal Blue
- 111 Blue
- 112 Navy
- 113 Turquoise
- 114 Yellow Green
- 115 Green
- 116 Brown
- 117 Black
- 118 White
- 119 Super Opaque White
- 120 Gold
- 121 Solar Gold
- 122 Silver
- 123 Copper
- 124 Opaque Yellow
- 126 Opaque Red
- 127 Opaque Violet
- 128 Opaque Blue
- 129 Opaque Green
- 131 Opaque Brown
- 132 Opaque Navy
- 133 Opaque Rubine
- 134 Opaque Ochre
- 140 Process Yellow
- 141 Process Magenta
- 142 Process Cyan

Modifiers

- CHM2000-08 8 oz. Retarder
- 2199 8 oz. Discharge Additive

Biodegradable Wash-Up

- SYS-2300 Soysol

Packaging

Available in 8 oz., pints, quarts, and



JACQUARD INK

These professional, permanent, screen printing inks are for many porous and non-porous surfaces. A technology break-through, open time on the screen has been greatly extended, giving the user more time to work with individual colors without having them dry in the screens. Jacquard's Screen Printing Inks are archival and lightfast with great resolution. They won't wrinkle paper when screening art prints. Clean up is easy with soap and water. The Screen Inks are washable and dry-cleanable on natural and synthetic fabrics. Fabrics must be heat set for permanence and



AQUEOUS MULTI-PURPOSE INK SPECIFICATIONS

USES: Cotton and 50/50 fabrics, as well as paper, and some vinyls and plastics.

FINISH: Dries to a satin, scuff resistant finish.

OPACITY: Varying degrees of opacity, test..

COVERAGE: Approximately 700 sq. ft./gallon using a 195 monofilament fabric, and a sharp squeegee on a non-absorbent surface.

DRYING TIME: Speedball textile inks dry by water evaporation then polymer cross linking. Prints normally air dry within 60 minutes. Insure adequate air circulation when rack drying. Ironing after the prints feel dry will set the ink.

SCREEN FABRIC: Use 83 to 195 mesh for textiles, and 195 to 305 mesh for nonabsorbant surfaces..

SCREEN COATING, FILM, BLOCKOUT: Direct and indirect water resistant photo stencils, or lacquer knife-cut stencils and blockout are suitable.

RETARDER: Under hot and dry conditions, use retarder

WASHUP: Screen cleans with water or biodegradable solvent 2300.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Heat cure or air dry
- Brilliant color range
- Washup with water
- Easy to print
- Low Odor
- Ready for Use
- Safe for School Use

TRANSPARENT COLORS

	8 OZ	Quart	Gallon
Process Cyan	HU-45650	HU-45750	
Process Magenta	HU-45651	HU-45751	
Process Yellow	HU-45652	HU-45752	
White	HU-4563	HU-4603	HU-46033
Yellow	HU-4565	HU-4605	HU-46055
Orange	HU-4569	HU-4609	
Red	HU-4561	HU-4601	HU-46011
Burgundy	HU-4684	HU-4686	
Violet	HU-4550	HU-4575	
Blue	HU-4562	HU-4602	HU-46022
Blue Denim	HU-4566	HU-4606	
Peacock Blue	HU-4551	HU-4653	
Green	HU-4564	HU-4604	HU-46044
Brown	HU-4567	HU-4607	
Black	HU-4560	HU-4600	HU-46000

FLUORESCENT

Hot Pink	HU-4687	HU-4693
Lime Green	HU-4690	HU-4695
Orange	HU-4691	HU-4696
Magenta	HU-4692	HU-4697
Yellow	HU-45653	HU-45753
Blue	HU-45654	HU-45754

OPAQUE TEXTILE PEARL COLORS

Raspberry	HU-4801	HU-4821
Blue Topaz	HU-4802	HU-4822
Pearly White	HU-4803	HU-4823
Emerald	HU-4804	HU-4824
Citrine	HU-4805	HU-4825
Amethyst	HU-4806	HU-4826
Silver	HU-4807	HU-4827
Gold	HU-4808	HU-4828
Sherbet	HU-4809	HU-4829
Black Pearl	HU-4810	HU-4830

NIGHT GLO PHOSPHORESCENT COLORS

Blue	HU-47520
Yellow	HU-47521
Green	HU-47522
White	HU-47523

RETARDER BASE (8 oz Only)

Retarder Base	HU-4639
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Packaging

Available in 8 oz. quarts, and gallons.



WATER SOLUBLE TEXTILE INK



Speedball Non-Toxic Permanent Ink

An water base textile screen ink in 19 brilliant colors including fluorescent and process color for use on cotton, polyester blends, an linen. Also works great on paper and cardboard. Washfast when properly heat set. non-flammable and contains no solvent and no offensive smell. Can be screen printed or painted on with a brush AP non-toxic and conforms top ASTM D-4236.

SPECIFICATIONS

USES: Cotton and 50/50 fabrics.

FINISH: Dries to a soft matte finish.

OPACITY: Transparent, white has good opacity. Pearl colors are opaque.

COVERAGE: Approximately 700 sq. ft./gallon using a 195 monofilament fabric, and a sharp squeegee on a non-absorbent surface.

DRYING TIME: Speedball textile inks dry by water evaporation then polymer cross linking. Prints normally air dry within 60 minutes. Insure adequate air circulation when rack drying. Ironing after the prints feel dry will heat set the ink.

SCREEN FABRIC: All fabrics are suitable.

SCREEN COATING, FILM, BLOCKOUT: Direct and indirect water resistant photo stencils, or lacquer knife-cut stencils and blockout are suitable.

RETARDER: Under hot and dry conditions, use retarder

WASHUP: Screen cleans with water or biodegradable solvent 2300.



PLASTICHARGE

DSPCH-9070 Additive

Plasticharge Additive (DSPCH-9070) allows for bright, colorful, soft-hand prints on discharge-dyed garments by transforming selected plastisol inks into discharge inks. Plasticharge prints are uniquely water absorbent.

PRINTING INSTRUCTIONS: Force the ink into the substrate with heavy squeegee pressure. Print wet-on-wet, without flash. Accurate color values will appear after curing. Cure a minimum of 90 seconds at 320°F to activate discharge reaction produce a washable print. Evaporating water too quickly will stop the discharge reaction and result in dull colors.

MIXING INSTRUCTIONS: STEP 1 Mix equal parts of Plastisol additive and a suitable Union Ink plastisol ink. Stir until completely mixed. Do not use mixing speed that are high enough to heat the ink. Mix only enough for a few days production. STEP 2. Add 6% ZFS Discharge agent before printing. Mix until completely dissolved. Once the discharge agent is added, the ink has a pot life of 24 hours

ALWAYS TEST PRINT BEFORE PRODUCTION

DSPCH-1000 White

Plasticharge White is a plastisol ink with discharge properties similar to water-based discharge inks. This white allows for bright, colorful, soft-hand prints on discharge-dyed garments. Plasticharge White is designed to provide the best available under base print.

PRINTING INSTRUCTIONS: Print Discharge White first, forcing the ink well into the substrate with heavy squeegee pressure. Print wet on wet without flash. Color values will appear after curing. Cure a minimum of 90 seconds at 320°F to activate discharge reaction produce a washable print. Evaporating water too quickly will stop the discharge reaction and result in dull colors.

MIXING INSTRUCTIONS: Add 6% ZFS Discharge agent before printing. Mix until completely dissolved. Once the discharge agent is added, the ink has a pot life of 24 hours.

ALWAYS TEST PRINT BEFORE PRODUCTION

UV INK USE CHART

**ALWAYS TEST CAREFULLY
BEFORE PRODUCTION**

	7100	7200	7300	7400	7500	7600	7700	7800	6000	60-000	40-000	BC-000	CD-000	1000
	Container Decorating	Multi-Purpose	Low-Odor Multi-Purpose	Ultra-Print	Corrugated Plastic	Vinyl King	High Hold Out	Poly Banner	Metal King II	Metal King PCM	Plastic King III	Bond Cure	Compact Disc	Glass King
ABS		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>		
Acrylic (Plexiglass)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>		
Butyrate		<input type="checkbox"/>										<input type="checkbox"/>		
CD (Compact Disks)													<input type="checkbox"/>	
Cellulose Acetate														
Corrugated Plastic (Coroplast®)														
Epoxy														
Fiberglass														
Formica® (Phenolic)														
Mylar® (Polyester)														
Mylar® (Top Coated)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Poly Vinyl Chloride (PVC)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>		
Polycarbonate (Lexan®)											<input type="checkbox"/>	<input type="checkbox"/>		
Polyethylene (Treated)	<input type="checkbox"/>							<input type="checkbox"/>						
Polyethylene Banners								<input type="checkbox"/>						
Polypropylene	<input type="checkbox"/>										<input type="checkbox"/>			
Polystyrene (Styrene)											<input type="checkbox"/>	<input type="checkbox"/>		
Reflective Sheeting (Scotchlite®)														
Tyvek														
Vacuumed Formed Plastics														
Vinyl)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>		
Aluminum		<input type="checkbox"/>	<input type="checkbox"/>								<input type="checkbox"/>			
Brass											<input type="checkbox"/>			
Copper											<input type="checkbox"/>			
Powder Coated (Test Carefully)										<input type="checkbox"/>	<input type="checkbox"/>			
Steel											<input type="checkbox"/>			
Billboards														
Cardboard		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>				<input type="checkbox"/>			
Corrugated Paper		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>				<input type="checkbox"/>			
Fiberboard		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>				<input type="checkbox"/>			
Litho Printed Paper		<input type="checkbox"/>	<input type="checkbox"/>											
Masonite		<input type="checkbox"/>									<input type="checkbox"/>			
Poster (24 Sheet)														
Wall Paper														
Wood														
Glass												<input type="checkbox"/>		
Proxylin (Nitrocellulose lacquer)														

Features

- Adhesion to treated polyethylene and polypropylene
- Very Flexible and Chemical resistant
- Excellent for bottle printing

Opaque Pantone Colors

KC-71-100	Mixing Base
KC-71-101	Yellow
KC-71-102	Warm Red
KC-71-103	Rubine Red
KC-71-104	Rhodamine Red
KC-71-105	Purple
KC-71-120	Violet
KC-71-106	Process Blue
KC-71-107	Reflex Blue
KC-71-108	Green
KC-71-109	Mixing White
KC-71-110	Mixing Black

Four-Color Process

KC-71-400	Halftone Base
KC-71-401	Yellow
KC-71-402	Magenta
KC-71-403	Cyan
KC-71-404	Black

Opaque Colors

KC-71-111	Opaque White
KC-71-112	Opaque Dense Black
KC-71-113	Primrose Yellow
KC-71-115	Medium Yellow
KC-71-114	Brilliant Orange
KC-71-116	Fire Red
KC-71-125	Bright Red
KC-71-117	Scarlet Red
KC-71-118	Navy Blue
KC-71-119	Peacock Blue
KC-71-120	Royal Violet
KC-71-121	Emerald Green
KC-71-122	Deep Green
KC-71-123	Lt. Brown
KC-71-124	Dk. Brown

Metallic Colors

KC-71-901	Silver
KC-71-903	Palegold
KC-71-904	Rich Palegold
KC-71-905	Richgold

Modifiers

KC-8201	Anti-Bubble #1
KC-8203	Diluent #1 (Flexible)
KC-8204	Diluent #2 (Same Flex)
KC-8205	Diluent #3 (Rigid)
KC-8206	Flow Promoter
KC-8207	Sensitizer #1
KC-8208	Sensitizer #3 (Waterwhite)
KC-8209	Sensitizer #7 (Opaque)
KC-8210	Adhesion Promoter

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging: Inks: Quart, gallon, and 5-gallon pails Solvents: quarts, and gallons.



CONTAINER DECORATING INK

Kolorcure UV 7100 Series

Excellent adhesion on treated polyethylene and polypropylene surfaces. Very flexible and chemical resistant. Fast curing speed for hi-speed bottle printing. All colors shown to the left are available in a matt finish which must be specified when ordering. Ten fluorescent colors are also available.



SPECIFICATIONS

USES: For bottles and container decorating. For treated polyethylene, PVC, PET, and many other substrates. Cured film will be flexible and provide chemical, water, and mar-resistance. Can cure at speeds up to 100 containers per minute.

FINISH: Dries to a flexible matte or gloss finish.

OPACITY: Good opacity on most substrates.

COVERAGE: Using 390 mesh, approximately 3200 square feet per gallon

DRYING TIME: 7100 Series inks cure in air upon brief exposure (2-5 seconds) to a focused high intensity ultraviolet light source standard 200 watt/inch medium pressure mercury vapor lamp. Speed of cure is approximately 80-90 fpm when passed through a conveyerized UV curing module containing 1x200 watt bulbs properly focused. Additional curing speeds can be achieved by adding 2-3% liquid sensitizer.

SCREEN FABRIC: Monofilament polyester or nylon, 350-390 mesh per inch recommended. Acceptable 305-420 mesh per inch. (Open area should not exceed 30%)

FILM THICKNESS: Recommended 0.4 to 0.6 mil (10-15 microns)

SCREEN COATING, FILM, BLOCKOUT: Lacquer proof stencil, most direct or direct/indirect work well.

MODIFIERS: To lower viscosity use Diluent #1 or Diluent #2. To increase curing speed add Sensitizer #2, or Liquid Opaque Sensitizer. To eliminate any bubbles in the screen use Anti-bubble #1

WASHUP: Screen cleans with SYS-1925 or a special high flash point wash containing no hydrocarbon solvents such as biodegradable washes SYS-2500 or SYS-2510 Gel.

Features

- Excellent adhesion to most plastic, vinyl, and paper
- Fast curing
- Opaque or Transparent Pantone colors

Opaque Pantone Colors

KC-72-100	Mixing Base
KC-72-101	Yellow
KC-72-102	Warm Red
KC-72-103	Rubine Red
KC-72-104	Rhodamine Red
KC-72-105	Purple
KC-72-120	Violet
KC-72-106	Process Blue
KC-72-107	Reflex Blue
KC-72-108	Green
KC-72-109	Mixing White
KC-72-110	Mixing Black

Four-Color Process

KC-72-400	Halftone Base
KC-72-401	Yellow
KC-72-402	Magenta
KC-72-403	Cyan
KC-72-404	Black

Opaque Colors

KC-72-111	Opaque White
KC-72-112	Opaque Dense Black
KC-72-113	Primrose Yellow
KC-72-115	Medium Yellow
KC-72-114	Brilliant Orange
KC-72-116	Fire Red
KC-72-125	Bright Red
KC-72-117	Scarlet Red
KC-72-118	Navy Blue
KC-72-119	Peacock Blue
KC-72-120	Royal Violet
KC-72-121	Emerald Green
KC-72-122	Deep Green
KC-72-123	Lt. Brown
KC-72-124	Dk. Brown

Metallic Colors

KC-72-901	Silver
KC-72-903	Palegold
KC-72-904	Rich Palegold
KC-72-905	Richgold

Modifiers

KC-8201	Anti-Bubble #1
KC-8203	Diluent #1 (Flexible)
KC-8204	Diluent #2 (Same Flex)
KC-8205	Diluent #3 (Rigid)
KC-8206	Flow Promoter
KC-8207	Sensitizer #1
KC-8208	Sensitizer #3 Waterwhite
KC-8209	Sensitizer #7 Opaque
KC-8210	Adhesion Promoter

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging:

Inks: Quart, gallon, and 5-gallon pails



Kolorcure UV 7200 Series

MULTI-PURPOSE INK

The most versatile UV curable ink available to the screen printer. Designed for cylinder as well as flat-bed printing. It is called Multi Purpose because of its excellent intercoat adhesion properties for multi color printing and its ability to adhere to many plastic, vinyl and paper substrates. All colors shown to the left are available in a matt or gloss finish which must be specified when ordering. Ten fluorescent colors are also available.



SPECIFICATIONS

USES: Styrene, acrylic, PVC, polycarbonate, TC polyester, TC aluminum, limp and supported vinyl, paper and paperboard.

FINISH: Dries to a matte or gloss finish.

OPACITY: Good opacity on most substrates.

COVERAGE: Using 390 mesh, approximately 3200 square feet per gallon

DRYING TIME: Multi Purpose inks cure in air upon brief exposure (2-5 seconds) to a focused high intensity ultraviolet light source standard 200 watt/inch medium pressure mercury vapor lamp. Speed of cure is approximately 60-80 fpm when passed through a conveyerized UV curing module containing 1x200 watt bulbs properly focused. Additional curing speeds can be achieved by adding 2-3% liquid sensitizer.

SCREEN FABRIC: Monofilament polyester or nylon, 350-390 mesh per inch recommended. Acceptable 305-420 mesh per inch. (Open area should not exceed 30%)

FILM THICKNESS: Recommended 0.4 to 0.6 mil (10-15 microns)

SCREEN COATING, FILM, BLOCKOUT: Lacquer proof stencil, most direct or direct/indirect work well.

MODIFIERS: To lower viscosity use Diluent #1 or Diluent #3. To increase curing speed add Sensitizer #1, or Sensitizer #7. To eliminate any bubbles in the screen use Anti-bubble #1

WASHUP: Screen cleans with SYS-1925 or a special high flash point wash containing no hydrocarbon solvents such as biodegradable washes SYS-2500 or SYS-2510 Gel.

STORAGE/HANDLING/WARNINGS: See product data sheet.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Excellent adhesion to most plastic, vinyl, and paper
- Fast curing
- Opaque or Transparent Pantone colors

Opaque Pantone Colors

KC-73-100	Mixing Base
KC-73-101	Yellow
KC-73-102	Warm Red
KC-73-103	Rubine Red
KC-73-104	Rhodamine Red
KC-73-105	Purple
KC-73-120	Violet
KC-73-106	Process Blue
KC-73-107	Reflex Blue
KC-73-108	Green
KC-73-109	Mixing White
KC-73-110	Mixing Black

Four-Color Process

KC-73-400	Halftone Base
KC-73-401	Yellow
KC-73-402	Magenta
KC-73-403	Cyan
KC-73-404	Black

Opaque Colors

KC-73-111	Opaque White
KC-73-112	Opaque Dense Black
KC-73-113	Primrose Yellow
KC-73-115	Medium Yellow
KC-73-114	Brilliant Orange
KC-73-116	Fire Red
KC-73-125	Bright Red
KC-73-117	Scarlet Red
KC-73-118	Navy Blue
KC-73-119	Peacock Blue
KC-73-120	Royal Violet
KC-73-121	Emerald Green
KC-73-122	Deep Green
KC-73-123	Lt. Brown
KC-73-124	Dk. Brown

Metallic Colors

KC-73-901	Silver
KC-73-903	Palegold
KC-73-904	Rich Palegold
KC-73-905	Richgold

Modifiers

KC-8201	Anti-Bubble #1
KC-8203	Diluent #1 (Flexible)
KC-8204	Diluent #2 (Same Flex)
KC-8205	Diluent #3 (Rigid)
KC-8206	Flow Promoter
KC-8207	Sensitizer #1
KC-8208	Sensitizer #3 Waterwhite
KC-8209	Sensitizer #7 Opaque
KC-8210	Adhesion Promoter

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging:

Inks: Quart, gallon, and 5-gallon pails
Solvents: Pints, quarts, and gallons



Kolorcure UV 7300 Series

LOW-ODOR MULTI-PURPOSE

Kolorcure UV 7300 Series offers the same highly versatile Multi-King inks, formulated for the POS industry where odor is a concern.

Series 7300 uses second and third generation monomers and oligomers to minimize odor during printing and in the finished product. Fast

cure and excellent intercoat adhesion are also benefits. All colors shown to the left are available in a matt and gloss finish which must be specified when ordering. Ten fluorescent colors are also available.



SPECIFICATIONS

USES: Styrene, acrylic, PVC, polycarbonate, TC polyester, TC aluminum, limp and supported vinyl, paper and paperboard.

FINISH: Dries to a matte or gloss finish.

OPACITY: Good opacity on most substrates.

COVERAGE: Using 390 mesh, approximately 3200 square feet per gallon

DRYING TIME: Multi Purpose inks cure in air upon brief exposure (2-5 seconds) to a focused high intensity ultraviolet light source standard 200 watt/inch medium pressure mercury vapor lamp. Speed of cure is approximately 60-80 fpm when passed through a conveyerized UV curing module containing 1x200 watt bulbs properly focused. Additional curing speeds can be achieved by adding 2-3% liquid sensitizer.

SCREEN FABRIC: Monofilament polyester or nylon, 350-390 mesh per inch recommended. Acceptable 305-420 mesh per inch. (Open area should not exceed 30%)

FILM THICKNESS: Recommended 0.4 to 0.6 mil (10-15 microns)

SCREEN COATING, FILM, BLOCKOUT: Lacquer proof stencil, most direct or direct/indirect work well.

MODIFIERS: To lower viscosity use Diluent #1 or Diluent #3. To increase curing speed add Sensitizer #1, or Sensitizer #7. To eliminate any bubbles in the screen use Anti-bubble #1

WASHUP: Screen cleans with SYS-1925 or a special high flash point wash containing no hydrocarbon solvents such as biodegradable washes SYS-2500 or SYS-2510 Gel.

Features

- Excellent adhesion to most plastic, vinyl, and paper
- Fast curing
- Opaque or Transparent Pantone colors

Opaque Pantone Colors

KC-74-100	Mixing Base
KC-74-101	Yellow
KC-74-102	Warm Red
KC-74-103	Rubine Red
KC-74-104	Rhodamine Red
KC-74-105	Purple
KC-74-120	Violet
KC-74-106	Process Blue
KC-74-107	Reflex Blue
KC-74-108	Green
KC-74-109	Mixing White
KC-74-110	Mixing Black

Four-Color Process

KC-74-400	Halftone Base
KC-74-401	Yellow
KC-74-402	Magenta
KC-74-403	Cyan
KC-74-404	Black

Opaque Colors

KC-74-111	Opaque White
KC-74-112	Opaque Dense Black
KC-74-113	Primrose Yellow
KC-74-115	Medium Yellow
KC-74-114	Brilliant Orange
KC-74-116	Fire Red
KC-74-125	Bright Red
KC-74-117	Scarlet Red
KC-74-118	Navy Blue
KC-74-119	Peacock Blue
KC-74-120	Royal Violet
KC-74-121	Emerald Green
KC-74-122	Deep Green
KC-74-123	Lt. Brown
KC-74-124	Dk. Brown

Metallic Colors

KC-74-901	Silver
KC-74-903	Palegold
KC-74-904	Rich Palegold
KC-74-905	Richgold

Modifiers

KC-8201	Anti-Bubble #1
KC-8203	Diluent #1 (Flexible)
KC-8204	Diluent #2 (Same Flex)
KC-8205	Diluent #3 (Rigid)
KC-8206	Flow Promoter
KC-8207	Sensitizer #1
KC-8208	Sensitizer #3 Waterwhite
KC-8209	Sensitizer #7 Opaque
KC-8210	Adhesion Promoter

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging:

Inks: Quart, gallon, and 5-gallon pails
Solvents: Pints, quarts, and gallons



Kolorcure UV 7400 Series

ULTRA-PRINT INK

The most versatile UV curable ink available to the screen printer. Designed for cylinder as well as flat-bed printing. It is called Ultra Print because of its excellent intercoat adhesion properties for multi color printing and its ability to adhere to many plastic, vinyl and paper substrates. All colors shown to the left are available in a matt or gloss finish which must be specified when ordering. Ten fluorescent colors are also available.



SPECIFICATIONS

USES: Styrene, acrylic, PVC, polycarbonate, TC polyester, TC aluminum, limp and supported vinyl, paper and paperboard.

FINISH: Dries to a matte or gloss finish.

OPACITY: Good opacity on most substrates.

COVERAGE: Using 390 mesh, approximately 3200 square feet per gallon

DRYING TIME: Ultra Print inks cure in air upon brief exposure (2-5 seconds) to a focused high intensity ultraviolet light source standard 200 watt/inch medium pressure mercury vapor lamp. Speed of cure is approximately 60-80 fpm when passed through a conveyerized UV curing module containing 1x200 watt bulbs properly focused. Additional curing speeds can be achieved by adding 2-3% liquid sensitizer.

SCREEN FABRIC: Monofilament polyester or nylon, 350-390 mesh per inch recommended. Acceptable 305-420 mesh per inch. (Open area should not exceed 30%)

FILM THICKNESS: Recommended 0.4 to 0.6 mil (10-15 microns)

SCREEN COATING, FILM, BLOCKOUT: Lacquer proof stencil, most direct or direct/indirect work well.

MODIFIERS: To lower viscosity use Diluent #1 or Diluent #3. To increase curing speed add Sensitizer #1, or Sensitizer #7. To eliminate any bubbles in the screen use Anti-bubble #1

WASHUP: Screen cleans with SYS-1925 or a special high flash point wash containing no hydrocarbon solvents such as biodegradable washes SYS-2500 or SYS-2510 Gel.

STORAGE/HANDLING/WARNINGS: See product data sheet.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Specially for corrugated Polyethylene
- Excellent adhesion to most plastic, vinyl, and paper
- Opaque or Transparent Pantone colors

Opaque Pantone Colors

KC-KF-100	Mixing Base
KC-KF-101	Yellow
KC-KF-102	Warm Red
KC-KF-103	Rubine Red
KC-KF-104	Rhodamine Red
KC-KF-105	Purple
KC-KF-120	Violet
KC-KF-106	Process Blue
KC-KF-107	Reflex Blue
KC-KF-108	Green
KC-KF-109	Mixing White
KC-KF-110	Mixing Black

Four-Color Process

KC-KF-400	Halftone Base
KC-KF-401	Yellow
KC-KF-402	Magenta
KC-KF-403	Cyan
KC-KF-404	Black

Opaque Colors

KC-KF-111	Opaque White
KC-KF-112	Opaque Dense Black
KC-KF-113	Primrose Yellow
KC-KF-115	Medium Yellow
KC-KF-114	Brilliant Orange
KC-KF-116	Fire Red
KC-KF-125	Bright Red
KC-KF-117	Scarlet Red
KC-KF-118	Navy Blue
KC-KF-119	Peacock Blue
KC-KF-120	Royal Violet
KC-KF-121	Emerald Green
KC-KF-122	Deep Green
KC-KF-123	Lt. Brown
KC-KF-124	Dk. Brown

Metallic Colors

KC-KF-901	Silver
KC-KF-903	Palegold
KC-KF-904	Rich Palegold
KC-KF-905	Richgold

Modifiers

KC-8201	Anti-Bubble #1
KC-8203	Diluent #1 (Flexible)
KC-8204	Diluent #2 (Same Flex)
KC-8205	Diluent #3 (Rigid)
KC-8206	Flow Promoter
KC-8207	Sensitizer #1
KC-8208	Sensitizer #3 Waterwhite
KC-8209	Sensitizer #7 Opaque
KC-8210	Adhesion Promoter

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging:

Inks: Quart, gallon, and 5-gallon pails
Solvents: Pints, quarts, and gallons



Kolorcure KOROFLEX Series

CORRUGATED POLYETHYLENE

Series KF is a UV curable ink formulated to provide excellent adhesion to fluted polyethylene and polypropylene. This ink series has been designed for high speed printing with superb print and flow properties. The cured film will provide a durable high gloss finish with exceptional adhesion.



SPECIFICATIONS

USES: Polyethylene, Polypropylene, High Density Polypropylene, Polystyrene, Rigid Vinyl and Acrylic, and many other plastics.

FINISH: Dries to a matte or gloss finish.

OPACITY: Good opacity on most substrates.

COVERAGE: Using 390 mesh, approximately 3200 square feet per gallon

DRYING TIME: KF Series inks cure in air upon brief exposure (2-5 seconds) to a focused high intensity ultraviolet light source standard 200 watt/inch medium pressure mercury vapor lamp. Speed of cure is approximately 60-80 fpm when passed through a conveyorized UV curing module containing 1x200 watt bulbs properly focused. Additional curing speeds can be achieved by adding 2-3% liquid sensitizer.

SCREEN FABRIC: Monofilament polyester or nylon, 350-390 mesh per inch recommended. Acceptable 305-420 mesh per inch. (Open area should not exceed 30%)

FILM THICKNESS: Recommended 0.4 to 0.6 mil (10-15 microns)

SCREEN COATING, FILM, BLOCKOUT: Lacquer proof stencil, most direct or direct/indirect work well.

MODIFIERS: To lower viscosity use Diluent #2. To increase curing speed add Sensitizer #7. To eliminate any bubbles in the screen use Anti-bubble #1 or #2. Use KF-100 Mixing Base as an extender and to enhance cure and adhesion.

WASHUP: Screen cleans with SYS-1925 or a special high flash point wash containing no hydrocarbon solvents such as biodegradable washes SYS-2500 or SYS-2510 Gel.

STORAGE/HANDLING/WARNINGS: See product data sheet.

ALWAYS TEST PRINT BEFORE PRODUCTION



Kolorcure UV 7600 Series

DECAL & LABEL

Features

- Excellent adhesion to vinyl
- Excellent flexibility & weatherability
- Opaque or Transparent Pantone colors

Opaque Pantone Colors

KC-76-100	Mixing Base
KC-76-101	Yellow
KC-76-102	Warm Red
KC-76-103	Rubine Red
KC-76-104	Rhodamine Red
KC-76-105	Purple
KC-76-120	Violet
KC-76-106	Process Blue
KC-76-107	Reflex Blue
KC-76-108	Green
KC-76-109	Mixing White
KC-76-110	Mixing Black

Four-Color Process

KC-76-400	Halftone Base
KC-76-401	Yellow
KC-76-402	Magenta
KC-76-403	Cyan
KC-76-404	Black

Opaque Colors

KC-76-111	Opaque White
KC-76-112	Opaque Dense Black
KC-76-113	Primrose Yellow
KC-76-115	Medium Yellow
KC-76-114	Brilliant Orange
KC-76-116	Fire Red
KC-76-125	Bright Red
KC-76-117	Scarlet Red
KC-76-118	Navy Blue
KC-76-119	Peacock Blue
KC-76-120	Royal Violet
KC-76-121	Emerald Green
KC-76-122	Deep Green
KC-76-123	Lt. Brown
KC-76-124	Dk. Brown

Metallic Colors

KC-76-901	Silver Paste
KC-76-903	Palegold
KC-76-904	Rich Palegold
KC-76-905	Richgold

Modifiers

KC-8201	Anti-Bubble #1
KC-8203	Diluent #1 (Flexible)
KC-8204	Diluent #2 (Same Flex)
KC-8205	Diluent #3 (Rigid)
KC-8206	Flow Promoter
KC-8207	Sensitizer #1
KC-8208	Sensitizer #3 Waterwhite
KC-8209	Sensitizer #7 (Opaque)
KC-8210	Adhesion Promoter

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging:

Inks: Quart, gallon, and 5 gallon pails
Solvents: Pints, quarts, and gallons

EXCELLENT ADHESION TO RIGID, CALANDERED AND UNSUPPORTED VINYL SURFACES.

Created specifically for applications on static cling, pressure sensitive, and unsupported vinyls. Series 7600 also provides a surface that will withstand thermo cutting, die-cutting, and pre-masking. All colors are available in a matt finish which must be specified when ordering. Ten fluorescent colors are also available.



SPECIFICATIONS

USES: All rigid, calandered and unsupported vinyls, including notebooks, laminated board, static cling, P.O.P. and decals. Can be heat sealed, embossed, and vacuum formed.

FINISH: Dries to a flexible matte or gloss finish.

OPACITY: Good opacity on recommended substrates.

COVERAGE: Using 390 mesh, approximately 3200 square feet per gallon

DRYING TIME: Vinyl King inks cure in air upon brief exposure (2-5 seconds) to a focused high intensity ultraviolet light source standard 200 watt/inch medium pressure mercury vapor lamp. Speed of cure is approximately 90-100 fpm when passed through a conveyORIZED UV curing module containing 1x200 watt bulbs properly focused. Additional curing speeds can be achieved by adding 2-3% liquid sensitizer.

SCREEN FABRIC: Monofilament polyester or nylon, 350-390 mesh per inch recommended. Acceptable 305-420 mesh per inch. (Open area should not exceed 30%)

FILM THICKNESS: Recommended 0.4 to 0.6 mil (10-15 microns)

SCREEN COATING, FILM, BLOCKOUT: Lacquer proof stencil, most direct or direct/indirect work well.

MODIFIERS: To lower viscosity use Diluent #1 or Diluent #2. To increase curing speed add Sensitizer #2, or Liquid Opaque Sensitizer. To eliminate any bubbles in the screen use Anti-bubble #1.

WASHUP: Screen cleans with SYS-1925 or a special high flash point wash containing no hydrocarbon solvents such as biodegradable washes SYS-2500 or SYS-2510 Gel.

STORAGE/HANDLING/WARNINGS: See product data sheet.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- High Gloss on absorbent stock
- Non-blocking

Opaque Pantone Colors

KC-77-100	Mixing Base
KC-77-101	Yellow
KC-77-102	Warm Red
KC-77-103	Rubine Red
KC-77-104	Rhodamine Red
KC-77-105	Purple
KC-77-120	Violet
KC-77-106	Process Blue
KC-77-107	Reflex Blue
KC-77-108	Green
KC-77-109	Mixing White
KC-77-110	Mixing Black

Four-Color Process

KC-77-400	Halftone Base
KC-77-401	Yellow
KC-77-402	Magenta
KC-77-403	Cyan
KC-77-404	Black

Opaque Colors

KC-77-111	Opaque White
KC-77-112	Opaque Dense Black
KC-77-113	Primrose Yellow
KC-77-115	Medium Yellow
KC-77-114	Brilliant Orange
KC-77-116	Fire Red
KC-77-125	Bright Red
KC-77-117	Scarlet Red
KC-77-118	Navy Blue
KC-77-119	Peacock Blue
KC-77-120	Royal Violet
KC-77-121	Emerald Green
KC-77-122	Deep Green
KC-77-123	Lt. Brown
KC-77-124	Dk. Brown

Metallic Colors

KC-77-901	Silver Paste
KC-77-903	Palegold
KC-77-904	Rich Palegold
KC-77-905	Richgold

Modifiers

KC-8201	Anti-Bubble #1
KC-8203	Diluent #1 (Flexible)
KC-8204	Diluent #2 (Same Flex)
KC-8205	Diluent #3 (Rigid)
KC-8206	Flow Promoter
KC-8207	Sensitizer #1
KC-8208	Sensitizer #3 Waterwhite
KC-8209	Sensitizer #7 (Opaque)
KC-8210	Adhesion Promoter

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging:

Inks: Quart, gallon, and 5 gallon pails
Solvents: Pints, quarts, and gallons



Kolorcure UV 7700 Series

HIGH HOLD OUT INK

Developed to obtain a smooth gloss over uncoated and corrugated board substrates. This ink formulation will provide excellent adhesion to these stocks and will not block. Available in a wide range of finishes, from matte to satin to gloss.



SPECIFICATIONS

USES: Uncoated and corrugated board substrates.

FINISH: Dries to a wide range of finishes, from matte to satin to gloss.

OPACITY: Good opacity on most substrates.

COVERAGE: Using 390 mesh, approximately 3200 square feet per gallon

SCREEN FABRIC: Monofilament polyester or nylon, 350-390 mesh per inch recommended. Acceptable 305-420 mesh per inch. (Open area should not exceed 30%)

FILM THICKNESS: Recommended 0.4 to 0.6 mil (10-15 microns)

SCREEN COATING, FILM, BLOCKOUT: Lacquer proof stencil, most direct or direct/indirect work well.

MODIFIERS: To lower viscosity use Diluent #1 or Diluent #3. To increase curing speed add Sensitizer #1, or Sensitizer #7. To eliminate any bubbles in the screen use Anti-bubble #1

WASHUP: Screen cleans with SYS-1925 or a special high flash point wash containing no hydrocarbon solvents such as biodegradable washes SYS-2500 or SYS-2510 Gel.

STORAGE/HANDLING/WARNINGS: See product data sheet.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- High gloss
- Excellent flexibility

Opaque Pantone Colors

KC-78-100	Mixing Base
KC-78-101	Yellow
KC-78-102	Warm Red
KC-78-103	Rubine Red
KC-78-104	Rhodamine Red
KC-78-105	Purple
KC-78-120	Violet
KC-78-106	Process Blue
KC-78-107	Reflex Blue
KC-78-108	Green
KC-78-109	Mixing White
KC-78-110	Mixing Black

Four-Color Process

KC-78-400	Halftone Base
KC-78-401	Yellow
KC-78-402	Magenta
KC-78-403	Cyan
KC-78-404	Black

Opaque Colors

KC-78-111	Opaque White
KC-78-112	Opaque Dense Black
KC-78-113	Primrose Yellow
KC-78-115	Medium Yellow
KC-78-114	Brilliant Orange
KC-78-116	Fire Red
KC-78-125	Bright Red
KC-78-117	Scarlet Red
KC-78-118	Navy Blue
KC-78-119	Peacock Blue
KC-78-120	Royal Violet
KC-78-121	Emerald Green
KC-78-122	Deep Green
KC-78-123	Lt. Brown
KC-78-124	Dk. Brown

Metallic Colors

KC-78-901	Silver Paste
KC-78-903	Palegold
KC-78-904	Rich Palegold
KC-78-905	Richgold

Modifiers

KC-8201	Anti-Bubble #1
KC-8203	Diluent #1 (Flexible)
KC-8204	Diluent #2 (Same Flex)
KC-8205	Diluent #3 (Rigid)
KC-8206	Flow Promoter
KC-8207	Sensitizer #1
KC-8208	Sensitizer #3 Waterwhite
KC-8209	Sensitizer #7 (Opaque)
KC-8210	Adhesion Promoter

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging:

Inks: Quart, gallon, and 5 gallon pails
Solvents: Pints, quarts, and gallons



Kolorcure UV 7800 Series

POLY BANNER INK

Series 7800 inks exhibit excellent adhesion, gloss, flexibility, printability and fast curing on high speed, in-line printing equipment. The ink viscosity and rheology will not break down or change with heat or high speed printing. This unique formulation will tolerate lower dyne substrates than traditional inks have in the past. Fold, sew, and grommet without any ink fracturing.



SPECIFICATIONS

USES: Indoor and outdoor polyethylene banners and other advertising media

FINISH: Dries to a gloss finish.

OPACITY: Good opacity on recommended substrates.

COVERAGE: Using 390 mesh, approximately 3200 square feet per gallon

SCREEN FABRIC: Monofilament polyester or nylon, 350-390 mesh per inch recommended. Acceptable 305-420 mesh per inch. (Open area should not exceed 30%)

FILM THICKNESS: Recommended 0.4 to 0.6 mil (10-15 microns)

SCREEN COATING, FILM, BLOCKOUT: Lacquer proof stencil, most direct or direct/indirect work well.

MODIFIERS: To lower viscosity use Diluent #1 or Diluent #3. To increase curing speed add Sensitizer #1, or Sensitizer #7. To eliminate any bubbles in the screen use Anti-bubble #1

WASHUP: Screen cleans with SYS-1925 or a special high flash point wash containing no hydrocarbon solvents such as biodegradable washes SYS-2500 or SYS-2510 Gel.

STORAGE/HANDLING/WARNINGS: See product data sheet.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Excellent adhesion to most metals including Stainless Steel
- Mar and chemical resistant
- Opaque or Transparent Pantone colors

Opaque Pantone Colors

KC-6100	Mixing Base
KC-6101	Yellow
KC-6102	Warm Red
KC-6103	Rubine Red
KC-6104	Rhodamine Red
KC-6105	Purple
KC-6120	Violet
KC-6106	Process Blue
KC-6107	Reflex Blue
KC-6108	Green
KC-6109	Mixing White
KC-6110	Mixing Black

Four-Color Process

KC-6400	Halftone Base
KC-6401	Yellow
KC-6402	Magenta
KC-6403	Cyan
KC-6404	Black

Opaque Colors

KC-6111	Opaque White
KC-6112	Opaque Dense Black
KC-6113	Primrose Yellow
KC-6115	Medium Yellow
KC-6114	Brilliant Orange
KC-6116	Fire Red
KC-6125	Bright Red
KC-6117	Scarlet Red
KC-6118	Navy Blue
KC-6119	Peacock Blue
KC-6120	Royal Violet
KC-6121	Emerald Green
KC-6122	Deep Green
KC-6123	Lt. Brown
KC-6124	Dk. Brown

Metallic Colors

KC-6901	Silver Paste
KC-6903	Palegold
KC-6904	Rich Palegold
KC-6905	Richgold

Modifiers

KC-8201	Anti-Bubble #1
KC-8203	Diluent #1 (Flexible)
KC-8204	Diluent #2 (Same Flex)
KC-8205	Diluent #3 (Rigid)
KC-8206	Flow Promoter
KC-8207	Sensitizer #1
KC-8208	Sensitizer #3 Waterwhite
KC-8209	Sensitizer #7 (Opaque)
KC-8210	Adhesion Promoter

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging:

Inks: Quart, gallon, and 5 gallon pails
Solvents: Pints, quarts, and gallons



METAL-KING II & III INK

Designed to give excellent adhesion to stainless steel, uncoated aluminum and other metals. Metal-King is a single component, press-ready ink that offers exceptional mar and chemical resistance. All colors listed to the left are available in matte finish which must be specified when ordering. Ten



SPECIFICATIONS

USES: METAL KING II Computer discs, metal nameplates, signs and glass decorating. Ideal for stainless steel and uncoated aluminum.

USES: METAL KING III For superior adhesion to enamel, lacquer and powder coated metals. Excellent flexibility where embossing and bending is essential. Adhesion to other plastic, paper and vinyl substrates is good.

FINISH: Dries to a matte or gloss finish.

OPACITY: Good opacity on most substrates.

COVERAGE: Using 390 mesh, approx. 3200 square feet per gallon

DRYING TIME: Metal King inks cure in air upon brief exposure (2-5 seconds) to a focused high intensity ultraviolet light source standard 200 watt/inch medium pressure mercury vapor lamp. Speed of cure is approximately 60-80 fpm when passed through a conveyORIZED UV curing module containing 1x200 watt bulbs properly focused. Additional curing speeds can be achieved by adding 2-3% liquid sensitizer.

SCREEN FABRIC: Monofilament polyester or nylon, 350-390 mesh per inch recommended. Acceptable 305-420 mesh per inch. (Open area should not exceed 30%)

FILM THICKNESS: Recommended 0.4 to 0.6 mil (10-15 microns)

SCREEN COATING, FILM, BLOCKOUT: Lacquer proof stencil, most direct or direct/indirect work well.

MODIFIERS: To lower viscosity use Diluent #1 or Diluent #3. To increase curing speed add Sensitizer #1 or Sensitizer #7. To eliminate any bubbles in the screen use Anti-bubble #1.

WASHUP: Screen cleans with SYS-1925 or a special high flash point wash containing no hydrocarbon solvents such as biodegradable washes SYS-2500 or SYS-2510 Gel.

STORAGE/HANDLING/WARNINGS: See product data sheet.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Excellent adhesion to Plastic
- Opaque or Transparent Pantone colors

Opaque Pantone Colors

KC-4100	Mixing Base
KC-4101	Yellow
KC-4102	Warm Red
KC-4103	Rubine Red
KC-4104	Rhodamine Red
KC-4105	Purple
KC-4120	Violet
KC-4106	Process Blue
KC-4107	Reflex Blue
KC-4108	Green
KC-4109	Mixing White
KC-4110	Mixing Black

Four-Color Process

KC-4400	Halftone Base
KC-4401	Yellow
KC-4402	Magenta
KC-4403	Cyan
KC-4404	Black

Opaque Colors

KC-4111	Opaque White
KC-4112	Opaque Dense Black
KC-4113	Primrose Yellow
KC-4115	Medium Yellow
KC-4114	Brilliant Orange
KC-4116	Fire Red
KC-4125	Bright Red
KC-4117	Scarlet Red
KC-4118	Navy Blue
KC-4119	Peacock Blue
KC-4120	Royal Violet
KC-4121	Emerald Green
KC-4122	Deep Green
KC-4123	Lt. Brown
KC-4124	Dk. Brown

Metallic Colors

KC-4901	Silver
KC-4903	Palegold
KC-4904	Rich Palegold
KC-4905	Richgold

Modifiers

KC-8201	Anti-Bubble #1
KC-8203	Diluent #1 (Flexible)
KC-8204	Diluent #2 (Same Flex)
KC-8205	Diluent #3 (Rigid)
KC-8206	Flow Promoter
KC-8207	Sensitizer #1
KC-8208	Sensitizer #3 (Waterwhite)
KC-8209	Sensitizer #7 (Opaque)
KC-8210	Adhesion Promoter

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel



Kolorcure UV 4000 & 40-000 Series

PLASTIC-KING II & III INK

Excellent adhesion to most rigid and flexible plastic substrates. Works well for top-coated polyester, polycarbonate, acrylic, styrene, PVC and CAB. All colors shown to the left are available in a matt finish which must be specified when ordering. Ten fluorescent colors are also available.



SPECIFICATIONS

USES: Plastic King II Membrane switches, signs, decals, P.O.P., control panels, name plates. Excellent gloss, adhesion and Intercoat adhesion.

USES: Plastic King III Membrane switches, signs, decals, P.O.P., control panels, name plates, plus top coated polyester, polycarbonate, styrene, acrylic, paper, etc. Excellent die cutting properties.

FINISH: Dries to a matte or gloss finish.

OPACITY: Good opacity on most substrates.

COVERAGE: Using 390 mesh, approximately 3200 square feet per gallon

DRYING TIME: Plastic King inks cure in air upon brief exposure (2-5 seconds) to a focused high intensity ultraviolet light source standard 200 watt/inch medium pressure mercury vapor lamp. Speed of cure is approximately 60-75 fpm when passed through a conveyORIZED UV curing module containing 1x200 watt bulbs properly focused. Additional curing speeds can be achieved by adding 2-3% liquid sensitizer.

SCREEN FABRIC: Monofilament polyester or nylon, 350-390 mesh per inch recommended. Acceptable 305-420 mesh per inch. (Open area should not exceed 30%)

FILM THICKNESS: Recommended 0.4 to 0.6 mil (10-15 microns)

SCREEN COATING, FILM, BLOCKOUT: Lacquer proof stencil, most direct or direct/indirect work well.

MODIFIERS: To lower viscosity use Diluent #1 or Diluent #2. To increase curing speed add Sensitizer #1, or Liquid Opaque Sensitizer. To eliminate any bubbles in the screen use Anti-bubble #1

WASHUP: Screen cleans with SYS-1925 or a special high flash point wash containing no hydrocarbon solvents such as biodegradable washes SYS-2500 or SYS-2510 Gel.

STORAGE/HANDLING/WARNINGS: See product data sheet.

Features

□Excellent adhesion to difficult substrates

Opaque Pantone Colors

KC-BC-100	Mixing Base
KC-BC-101	Yellow
KC-BC-102	Warm Red
KC-BC-103	Rubine Red
KC-BC-104	Rhodamine Red
KC-BC-105	Purple
KC-BC-120	Violet
KC-BC-106	Process Blue
KC-BC-107	Reflex Blue
KC-BC-108	Green
KC-BC-109	Mixing White
KC-BC-110	Mixing Black

Four-Color Process

KC-BC-400	Half-tone Base
KC-BC-401	Yellow
KC-BC-402	Magenta
KC-BC-403	Cyan
KC-BC-404	Black

Opaque Colors

KC-BC-111	Opaque White
KC-BC-112	Opaque Dense Black
KC-BC-113	Primrose Yellow
KC-BC-115	Medium Yellow
KC-BC-114	Brilliant Orange
KC-BC-116	Fire Red
KC-BC-125	Bright Red
KC-BC-117	Scarlet Red
KC-BC-118	Navy Blue
KC-BC-119	Peacock Blue
KC-BC-120	Royal Violet
KC-BC-121	Emerald Green
KC-BC-122	Deep Green
KC-BC-123	Lt. Brown
KC-BC-124	Dk. Brown

Metallic Colors

KC-BC-901	Silver
KC-BC-903	Palegold
KC-BC-904	Rich Palegold
KC-BC-905	Richgold

Modifiers

KC-8201	Anti-Bubble #1
KC-8203	Diluent #1 (Flexible)
KC-8204	Diluent #2 (Same Flex)
KC-8205	Diluent #3 (Rigid)
KC-8206	Flow Promoter
KC-8207	Sensitizer #1
KC-8208	Sensitizer #3 Waterwhite
KC-8209	Sensitizer #7 (Opaque)
KC-8210	Adhesion Promoter

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging:

Inks: Quart, gallon, and 5-gallon pails
Solvents: Pints, quarts, and gallons



Kolorcure BC-000 Series

BOND CURE INK

Bondcure Series inks provide superb adhesion to many difficult substrates including glass, polyethylene, polypropylene, acrylic and coated metal. The cured ink film has excellent chemical, water, and abrasion resistance. Intercoat adhesion between colors is outstanding. Improved opacity, high gloss finish and fast curing speed are additional benefits.



SPECIFICATIONS

USES: Glass, polyethylene, polypropylene, acrylic, coated metal and other substrates

FINISH: Dries to a gloss finish.

OPACITY: Good opacity on most substrates.

COVERAGE: Using 390 mesh, approximately 3200 square feet per gallon

SCREEN FABRIC: Monofilament polyester or nylon, 350-390 mesh per inch recommended. Acceptable 305-420 mesh per inch. (Open area should not exceed 30%)

FILM THICKNESS: Recommended 0.4 to 0.6 mil (10-15 microns)

SCREEN COATING, FILM, BLOCKOUT: Lacquer proof stencil, most direct or direct/indirect work well.

MODIFIERS: To lower viscosity use Diluent #1 or Diluent #3. To increase curing speed add Sensitizer #1, or Sensitizer #7. To eliminate any bubbles in the screen use Anti-bubble #1

WASHUP: Screen cleans with SYS-1925 or a special high flash point wash containing no hydrocarbon solvents such as biodegradable washes SYS-2500 or SYS-2510 Gel.

STORAGE/HANDLING/WARNINGS: See product data sheet.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- High gloss
- Fast cure speed
- Wide variety of substrates

Transparent Colors

KC-8146	Yellow
KC-8147	Warm Red
KC-8148	Rubine Red
KC-8149	Rhodamine Red
KC-8150	Green
KC-8155	Process Blue
KC-8190	Purple
KC-8192	Reflex Blue
KC-8152	Process Yellow
KC-8155	Process Blue
KC-8166	Process Magenta
KC-8171	Process Black

Opaque Colors

KC-8151	Royal Violet
KC-8153	Brilliant Orange
KC-8154	Scarlet Red
KC-8165	Fire Red
KC-8167	Medium Chrome Yellow
KC-8168	Light Chrome Yellow
KC-8169	Chrome Orange
KC-8170	White
KC-8171	Dense Black
KC-8172	Ultramarine Blue
KC-8251	Bright Red

Pantone Transparent Concentrates

KC-8124	Yellow
KC-8125	Rubine
KC-8126	Warm Red
KC-8127	Rhodamine Red
KC-8128	Purple
KC-8129	Process Blue
KC-8130	Reflex Blue
KC-8131	Green
KC-8132	Mixing Black
KC-8133	Mixing White

Pantone Opaque Concentrates

KC-8134	Yellow
KC-8135	Rubine
KC-8136	Warm Red
KC-8137	Rhodamine Red
KC-8138	Purple
KC-8139	Process Blue
KC-8140	Reflex Blue
KC-8141	Green
KC-8142	Mixing Black
KC-8143	Mixing White

Packaging:

Inks and Solvents in quarts and gallons and 5 gallon containers.
Do not store in metal cans.



8000 SERIES INKS

PIGMENT CONCENTRATES

UV concentrated mixing color—excellent shelf life, intermix with extender bases

8000 Series Kolorcure inks are packaged as a modular system for mixing with any of their mixing bases. Color concentrates easily mix with the extender bases, and inks can be intermixed to match virtually any color required. Four color process concentrates are also available, as well as a selection of overprint clears. Available in opaque and transparent colors as well as the unique opaque Pantone Matching System.



SPECIFICATIONS

USES: For use on paper, board, vinyl, polystyrene, top-coated polyester (some), and polyethylene (some). See specific mixing bases for recommendations.

FINISH: Dries to a high-gloss finish with a high degree of protection from scuffing and marring.

OPACITY: Excellent opacity for most colors.

COVERAGE: Averages about 3,000 sq. ft. per gallon.

DRYING TIME: Kolorcure inks require a high-output UV cure/dry unit for proper curing. These inks will not air dry.

SCREEN FABRIC: Use a 390-460 monofilament polyester for most colors. A calendered mesh yields a thinner deposit and more mileage per gallon.

SCREEN COATING, FILM, BLOCKOUT: Use water soluble hand-cut, photo screens and blockouts with this ink or use other suitable products.

MODIFIERS: See individual mixing bases for modifiers..

ADHESION: Excellent on most substrates.

WASHUP: Use SYS-1925, or biodegradable washes SYS-2500 or SYS-2510 screen wash gel.



SCREEN PRINTING CLEARS

Lustercure UV coatings specially formulated for a specific printing application and end-use requirements. High gloss, matte and texture coatings available. Used universally to obtain excellent protective, decorative, chemical and physical properties. Packaged in one and five gallon pails. See Product Data Sheet for further information.

MATTE COATINGS

LC-100

Designed for vinyl stock - excellent flexibility, weatherability and die cut properties.

USES: Credit cards, Decals, POP, membrane switch, control panels, nameplates.

LC-200

Designed for most plastic substrates where mar and chemical resistance is essential.

USES: Membrane switch, control panels, nameplates, credit cards, POP. When used as a clear overprint, litho inks should be free of waxes, silicones and other anti-scuff additives.

LC-300

Designed primarily for hi-gloss coated paper and board stock to provide an excellent matte contrast over paper coating and ink surfaces.

USES: Credit cards, POP, membrane switch, control panels, nameplates.

GLOSS COATINGS

LC-400

Economical, universal high gloss coating used extensively for over printing litho printed paper and board stocks.

USES: Book covers, labels, post cards, folding cartons, displays, record jackets, functional paper coating.

LC-500

Good, highly transparent water-white coating with non-yellowing characteristics.

USES: LC-500 has been tested on polycarbonate, ABS, vinyl, and "print treated" polyester. Lustercure LC-500 is used in applications such as gloss "window" coating for membrane switch overlays, face panels, credit cards or pressure sensitive decals.

LC-600

Excellent weatherability, flexibility, and exterior properties.

USES: Credit cards, decals, POP, membrane switch, control panels, nameplates

LC-690

Fast cure and good product resistance on rigid substrates.

USES: Book covers, labels, post cards, folding cartons, displays, credit cards

TEXTURE COATINGS

(Must be used with Nitrogen type U.V. Dryer)

LC-700

Gloss Texture - Provides a wide crystalline effect.

USES: Lustercure LC-700 can be used where the end use requires a clear coating with durability, mar, chemical and moisture resistance on a variety of plastic substrates. Lustercure LC-700 has been tested on polycarbonate, ABS, vinyl and "print treated" polyester. Lustercure LC-700 is used in applications such as gloss coating for membrane switch overlays, face panels, credit cards, or pressure sensitive decals. Surface textured for membrane switch overlays and face panels.

LC-800

Satin Texture - Hard top coat with good chemical resistive properties. Semi-tight texture effect.

LC-900

Matte Texture - Provides a tight matte texture effect.

USES: Lustercure LC-800 & 900 can be used where the end use requires a clear coating with durability, mar, chemical and moisture resistance on a variety of plastic substrates. Lustercure LC-800 & LC-900 have been tested on polycarbonate, ABS vinyl and "print treated" polyester used in applications such as membrane switch overlays and face panels.



SCREEN ADDITIVES

ANTI-BUBBLE ADDITIVES

Anti-bubble additive is a bubbling and control agent for Kolorcure UV Curable coatings. For the most part, Kolorcure Inks and Coatings are ready for use; however, sometimes the use of high speed production equipment requires a small amount of anti-bubble additive.

ANTI-BUBBLE ADDITIVE: Use this additive when bubbles occur while printing with semi-automatic equipment. Add at the rate of 1 to 5 percent by weight.

FLOW ADDITIVE #8206: Use this additive when bubbles occur while printing with automatic equipment (cylinder or rotary screen presses). Add at the rate of 1 to 5 percent by weight

NOTE: Additives become an integral part of the cured ink or coating. Excess amounts of these products may effect cure speed, flexibility or adhesion. User should retest for performance after additives are included in the product. Available in quarts and gallons.

KC-8101 Kolorcure Anti-Bubble#1
KC-8202 Kolorcure Flow Additive

DILUENTS

DILUENTS #1 & #2 are used to reduce the viscosity of UV curable coatings When reduction is desirable, up to 10% thinner (diluent) can be added.

DILUENT #1 is used when flexibility needs to be retained.

DILUENT#2 will help adhesion and film toughness.

DILUENT #3 is used to reduce viscosity as well as increase the cure speed. Diluent III will also improve the hardness and mar resistance of UV curable inks and coatings. Because this is a reactive additive, the addition of too much (greater than 20%) can cause brittleness. For reduction alone, Diluent II is recommended because it has less tendency to reduce flexibility of the cured film. Use 5 to 20% Diluent III to enhance cure speed. Once UV ink has been diluted, retesting should be done to insure performance. All diluents are available in quarts and gallons.

KC-8203 Kolorcure Diluent #1
KC-8204 Kolorcure Diluent #2
KC-8205 Kolorcure Diluent #3

SENSITIZERS

Activators #1, #3, & #7 are sensitizers used to enhance the cure rates of Kolorcure inks and coatings. They serve as photoinitiators (light activated catalyst). White Kolorcure products are supplied ready for use, there are certain conditions such as faster speeds or thicker deposits where the addition of these activators will be desired.

SENSITIZER #3 is non-yellowing and is used in white, clear coatings and other inks where non-yellowing is needed.

SENSITIZER #7 is a powerful activator for opaque colors to improve cure speed and adhesion.

KC-8208 Sensitizer #3
KC-8209 Sensitizer #7

ADHESION PROMOTERS

Adhesion promoters are designed to improve performance on difficult substrates. They are available in quarts and gallons.

ADHESION PROMOTER 8210 A general purpose additive that will improve adhesion when used 10-20% by weight.

POLY KING II Adhesion Promoter 8622 Add 1/2 to 1% by weight to get improved adhesion to polyethylenes and polypropylenes with dyne levels less than 48. May reduce stability of the ink.

METAL KING II Adhesion Promoter 8640 Add 4 to 6% to inks to improve adhesion to bare metal and glass.

SERIES II Adhesion Promoter 8350 Add 10-20% to improve adhesion and intercoat adhesion on difficult substrates.

ALUMINUM ADHESION PROMOTER R-470 Add 5-15% by weight for improves adhesion to aluminum diskettes.

KC-8210 Kolorcure Adhesion Promoter
KC-8622 Kolorcure POLY KING II
KC-8640 Kolorcure METAL KING II
KC-M-8210 Kolorcure SERIES II
KC-R-470 Kolorcure Aluminum Adhesion Promoter

ADDITIONAL ADDITIVES

KC-8206 Flow Promoter
KC-R570 Flex Compound
KC-8211 Flattening Powder
KC-8212 Thickening Powder

Features

- Fast drying
- Flat finish
- May be extended up to 50%

Opaque Colors

PI-15	Black
PI-16	White
PI-01	Primrose Yellow*
PI-02	Lemon Yellow*
PI-03	Medium Yellow*
PI-04	Orange*
PI-05	Cerise
PI-06	Medium Green*
PI-07	Brown*
PI-08	Deep Red*
PI-09	Mandarin Red*
PI-10	Fire Red*
PI-11	Magenta
PI-12	Brilliant Blue
PI-13	Ultra Blue
PI-14	Dark Blue
PI-18	Perma Green*
PI-19	Peacock Blue*
PI-22	Emerald Green*
PI-26	Burnt Umber*
PI-28	Ochre*
PI-21	Gold*
PI-24	Silver*
PI-23	Non-Scuff Black*
PI-25	Heavy Extender
PI-31	Clear Poster Base
PI-32	Light Extender Base
PI-50	Purple*

Fluorescents

See page 30

Modifiers

PI-40	Thinner
PI-41	Retarder
SYS-1910	Slow Thinner

Washup

SYS-1900	Wash up
SYS-1925	Mild Lacquer Wash up

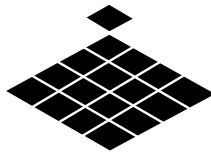
Biodegradable Wash-up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging:

Inks in gallon and 5-gallon containers

*Contains lead or chromate pigments



Candoc PI Series

MATTE POSTER INK

HIGH PERFORMANCE, FLAT FINISH INK FOR ALL TYPES OF PAPER STOCK

The ink choice for economical Point-of-Purchase printing jobs, PI Series Inks are an ethyl cellulose formulation for paper, paperboard and cardboard. PI Poster Inks air dry quickly to a flat finish. They may be extended up to 50% and still retain acceptable color value. Can be used in limited duration outdoor billboard projects.



SPECIFICATIONS

USES: Use on uncoated paper, cardboard, and paperboard.

FINISH: Cures to a flat finish.

OPACITY: Very good.

DRYING TIME: Force dries in 30-45 seconds with high efficiency dryer (3000-5000 CFM fresh air equipped with air knives). Air dries in 30-60 minutes depending on temperature and air circulation. Adding retarder will slow dry times.

SCREEN FABRIC: Use 140-280+ polyester monofilament, or 8XX to 20XX multifilament for best print.

SCREEN COATING, FILM, BLOCKOUT: Photo screens. Also hand cut water mount or lacquer film.

MODIFIERS: Reduce with PI-40 or Mineral Spirits. Retard with PI-41 or SYS-1910.

ADHESION: Excellent for recommended substrates.

COVERAGE: About 1000 sq. ft. per gallon.

WASHUP: Use PI-42, SYS-1900, SYS-1925, or biodegradable screen washes 2500 or 2510 screen wash gel.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- ☐ Suitable for a wide range of substrates
- ☐ Smooth, clean prints

Opaque Colors

GP-1010	Red 032*
GP-1020	Fire Red*
GP-1030	Brilliant Red
GP-1040	Bright Red*
GP-1050	Permanent Red*
GP-1060	Red 185*
GP-1080	Maroon
GP-1110	Black
GP-1120	White
GP-1140	Brown
GP-1220	Orange*
GP-1240	Vermillion*
GP-1250	Warm Red*
GP-1300	Primrose Yellow*
GP-1320	Lemon Yellow*
GP-1340	Medium Yellow*
GP-1350	Overprint Clear
GP-1420	Emerald Green*
GP-1450	Forest Green*
GP-1480	Dark Green*
GP-1520	Opaque Reflex Blue*
GP-1540	Peacock Blue
GP-1560	Brilliant Blue
GP-1570	Royal Blue
GP-1580	Dark Blue
GP-1620	Purple
GP-1640	Cerise
GP-1660	Magenta
GP-1700	Clear
GP-2110	Super Opaque Black
GP-2120	Super Opaque White

Transparent Colors

GP-1090	Trans. Red
GP-1290	Trans. Med. Yellow
GP-1390	Trans. Prim. Yellow
GP-1490	Trans. Green
GP-1590	Trans. Blue
GP-1690	Trans. Cerise
GP-1790	Trans. Orange
GP-1990	Trans. Purple

Four-Color Process

GP-1130	Process Black
GP-1330	Process Yellow
GP-1530	Process Blue
GP-1630	Process Magenta
GP-1730	Process Clear

Modifiers

GP-1780	Sharp Printing Compound
GP-1860	Anti-Scuff
GP-1870	Flow Agent
DC-393	Gel Retarder Base

Solvents

GP-1800	Thinner
GP-1810	Fast Thinner
GP-1830	Extra Slow Thinner
GP-1840	Wash-up
SYS-1902	Washup
SYS-1925	Washup

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2550	Screen Wash

Packaging:

Inks and solvents in quarts and gallons.

*Lead-free ink available in these colors



GENERAL PURPOSE INK

Ink Tech GP Series

PREMIUM QUALITY INK FOR THE WIDEST RANGE OF SUBSTRATES

A general purpose, gloss ink, formulated to give adhesion to a wide range of substrates. It has very low odor and will print cleanly and smoothly with the minimum of additions or modifications. Its scuff-resistant surface makes it ideal for printing greeting cards, PVC bottles, double-sided jobs as well as general high-quality display work.



SPECIFICATIONS

USES: Card, paper, wood, vinyls (PVC), polystyrene, ABS, acrylics, butyrates, polycarbonates, primed metal, Tyvek, and top-coated polyester, etc.

FINISH: Dries to a gloss finish.

OPACITY: This ink is available in opaque, transparent, and fluorescent colors.

COVERAGE: Approximately 1500-2000 sq. ft./gal. using a 230 monofilament fabric, and a sharp squeegee on a non-absorbent surface. Thinning or extending will increase mileage, but reduce the ink opacity.

DRYING TIME: GP Series dries by evaporation. Prints normally air dry within 15 to 30 minutes, or 20 to 45 seconds in a jet air dryer. Overprints require slightly longer drying time. Insure adequate air circulation when rack drying.

SCREEN FABRIC: All fabrics are suitable.

SCREEN COATING, FILM, BLOCKOUT: Direct and indirect photostencils, or water-soluble knife-cut stencils are suitable.

MODIFIERS: Ink may be used straight from can, but 5-15% thinning is recommended with GP-1800 thinner for optimum printing. For mixing metallic powders use GP-1700. To improve edge definition add a small amount of GP-1730 clear base. Excessive amount could effect outdoor durability.

RETARDER: Under hot and dry conditions, use GP-1820 Slow Thinner.

ADHESION: Excellent on substrates listed in ☐ises☐ Always test print before production.

WASHUP: Screen cleans with GP-1840, SYS-1925 or biodegradable solvents 2500 or 2510 gel.

MIXING COLORS

GP-9000	Yellow	GP-9070	Process Blue
GP-9010	Warm Red	GP-9080	Green
GP-9020	Rubine Red	GP-9090	Yellow 012
GP-9030	Rhodamine Red	GP-9100	Orange 021
GP-9040	Purple	GP-9110	Red 032
GP-9050	Violet	GP-9120	Blue 072
GP-9060	Reflex Blue	GP-9130	Red 185

Always test print before production.

FLUORESCENT INKS

Features:

- Fiery Fluorescent Brilliance
- Fine Color Strength

GP Fluorescent Colors

GP-0900	Magenta
GP-0910	Orange Red
GP-0920	Green
GP-0930	Cerise
GP-0940	Chartreuse
GP-0950	Red
GP-0970	Pink
GP-0980	Orange
GP-0990	Blue

Solvents

GP-1800	Thinner
GP-1820	Slow Thinner
GP-1840	Wash-up
SYS-1925	Lacquer Wash-up

Packaging:

Inks and Solvents Qts., Gal., & 5Gal.

PI Fluorescent Colors

PI-60	Orange
PI-61	Pink
PI-62	Red
PI-63	Green
PI-64	Orange-Yellow
PI-65	Orange-Red
PI-66	Cerise
PI-67	Magenta
PI-68	Blue
PI-69	Chartreuse

Solvents

PI-40	Thinner
PI-41	Slow Thinner
PI-42	Wash-up
SYS-1925	Lacquer Wash-up

Packaging:

Inks and Solvents Gal., & 5Gal.

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging:

Qts., Gal., & 5Gal.

Inktech GP Multi-Purpose Ink

A general purpose ink designed to adhere to a wide variety of substrates. It has a very low odor and will print cleanly and smoothly with a minimum of additions or modifications. Dries by evaporation in 15 to 30 minutes, or jet dries in 20 to 45 seconds. Intermixes with all other MP colors. See MP section for additional information.

Candoc PI Poster Ink

The ink choice for economical Point-of-purchase printing jobs, PI Series Inks are an ethyl cellulose formulation for paper, paperboard and cardboard. PI Poster Inks air dry quickly to a flat finish. They may be extended up to 50% and still retain acceptable color value. Can be used in limited duration outdoor billboard projects.

ALWAYS TEST PRINT BEFORE PRODUCTION

COMPARATIVE COLOR NAMES

INK TECH	INK DEZYNE	CANDOC	UNION INK
0940 Chartreuse	094 Chartreuse	X69 Chartreuse	F211 Orbit Yellow
	096 Orange Yel	X64 Orange-Yel	F212 Golden Yellow
0980 Orange	098 Orange	X60 Orange	F213 Inferno Orange
0920 Green	092 Green	X63 Green	F611 Traffic Green
0990 Brill Blue	099 Blue	X68 Blue	F511 Solar Blue
0910 Orange/Red	091 Red Orange	X65 Orange-Red	F214 Flame Orange
	095 Red	X62 Red	F311 Missile Red
0970 Pink	097 Pink	X61 Pink	F312 Aurora Pink
0930 Cerise	093 Cerise		
0900 Magenta		X67 Magenta	

COMPETING BRANDS

BRAND A	BRAND B	BRAND C	BRAND D
Saturn Yellow	Lemon Yellow	Orange Yellow	Citron Yellow
Arc Yellow	Gold Yellow	Sunburst Yellow	Golden Yellow
Blaze Orange	Yellow Orange	Comet Orange	Tropical Orange
Signal Green	Green	Vibrant Green	Mint Green
Horizon Blue	Vivid Blue		Galaxie Blue
Fire Orange	Orange Red	Tangerine	Flame Orange
Rocket Red	Red	Torch Red	Poppy Red
Aurora Pink	Pink	Flame Pink	Coral Pink
Neon Red	Cerise	Brilliant Cerise	Crimson Red
Magenta	Magenta		Vibrant Magenta

Fluorescent Colors available in the following series: FP Powders, AM, KP, GP, PA, PATH, PI, PLUS, SS, TL, & VC,

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- ☐ Flexible enough for vinyl film and similar substrates
- ☐ Gloss finish
- ☐ Bleed resistant
- ☐ Good light fastness
- ☐ Vacuum formable

Colors

PA-603	White
PA-14940	High Cover White
PA-604	Black
PA-609	Primrose Yellow*
PA-692	Lemon Yellow*
PA-606	Medium Yellow*
PA-614	Orange*
PA-690	Emerald Green*
PA-612	Medium Green*
PA-625	Perma Green*
PA-628	Brilliant Perma Blue
PA-605	Ultra Blue
PA-691	Light Blue
PA-607	Navy Blue*
PA-613	Fire Red*
PA-622	Flag Red*
PA-623	Deep Red*
PA-619	Maroon*
PA-615	Light Brown*
PA-695	Dark Brown*
PA-634	Pale Gold*
PA-635	Rich Pale Gold*
PA-636	Rich Gold*
PA-637	Silver*
PA-639	Bright Silver*

Transparent Colors

PA-630	Transparent Blue
PA-631	Transparent Yellow
PA-632	Transparent Orange
PA-633	Transparent Red

Modifiers

PA-601	Screening Thinner
PA-602	Clear
PA-610	Cleaning Thinner
PA-620	Flow Promoter
PA-621	Retarder
PA-640	Halftone Base
PA-646	Clear Spray Base
PA-647	Spray Thinner
PA-648	Spray Bronzing Liquid
SYS-1925	Wash-up

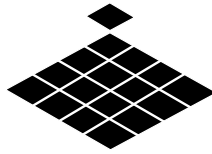
Biodegradable Wash-up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging:

Inks and solvents in gallons only.

*Contain lead or chromate pigments



Candoc PA Series

POLY-ACRYLIC INK

MULTI-USE INK FOR A WIDE RANGE OF PLASTIC SUBSTRATES

Originally developed for acrylic sheet stock (plexiglass), PA Poly Acrylic is one of our most versatile ink series. It displays the desirable printing characteristics of SS and KP lacquers and adheres well to most plastics, coated and uncoated paper stock, metal and wood. Many printers use PA Series successfully as a low odor vinyl ink. It is also widely used for glass decorating.



SPECIFICATIONS

USES: Newly reformulated for superior screenability For Most plastics such as acrylics, Plexiglas and Lucite, top coated Mylar, polycarbonates, vinyls, rigid, semi-rigid, and flexible vinyl films , formed vinyl panels (Sintra, Trovicel, Viacom), and other engineered plastics. glass. Also styrene, paper and board, card stock, etc.

FINISH: Cures to a gloss finish.

OPACITY: Good on most colors

DRYING TIME: Force dries in seconds with high efficiency dryers (3000-5000 CFM fresh air equipped with air knives). Air dries in 15-45 minutes depending on temperature and air circulation. Adding retarder will slow dry times.

SCREEN FABRIC: Use 160 to 300+ polyester monofilament for high print quality.

SCREEN COATING, FILM, BLOCKOUT: Use lacquer proof, direct method or capillary.

MODIFIERS: Reduce with PA-601, Retard with PA-621. To improve flow, use PA-620 (no more than 2 oz. per gallon).

ADHESION: Excellent for recommended substrates.

COVERAGE: About 1200 Sq. Ft./Gallon

WASHUP: PA-610, SYS 1925. or biodegradable washes 2500 or 2510 screen wash gel.

ALWAYS TEST PRINT BEFORE PRODUCTION

TRANSPARENT MIXING COLORS

PA-MS01	Process Yellow	PA-MS06	Reflex Blue
PA-MS02	Mixing Orange	PA-MS07	Cyan
PA-MS03	Rubine	PA-MS08	Green
PA-MS04	Rhodamine	PA-MS09	Mixing White
PA-MS05	Purple	PA-MS10	Mixing Black
		PA-MS11	Mixing Clear

Features

- High solids
- Low V.O.C.
- Excellent outdoor durability
- Good chemical resistance

Colors

PURE-501	White
PURE-502	Black
PURE-503	Primrose Yellow*
PURE-504	Lemon Yellow*
PURE-505	Medium Yellow*
PURE-506	Orange*
PURE-507	Fire Red*
PURE-508	Deep Red*
PURE-509	Maroon*
PURE-510	Light Blue
PURE-511	Brilliant Perma Blue
PURE-512	Navy Blue*
PURE-513	Emerald Green*
PURE-514	Perma Green*
PURE-538	Silver*

Transparent Colors

PURE-520	Transparent Yellow G
PURE-521	Transparent Yellow R
PURE-522	Transparent Red Y
PURE-523	Transparent Red B
PURE-524	Transparent Orange
PURE-525	Transparent Blue
PURE-526	Transparent Green
PURE-527	Transparent Magenta
PURE-528	Transparent Violet

PURE-515 Overprint Clear

Modifiers

PURE-530	Reducer
PURE-531	Retarder
PURE-532	Flow Promoter
PURE-550	Catalyst

SYS-1925 Wash-up

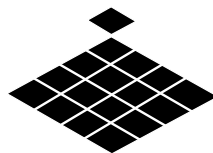
Biodegradable Wash-up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging:

Inks and solvents in gallons only.

*Contain lead or chromate pigments



Candoc PURE Series

POLYURETHANE INK

LOW V.O.C., HIGH SOLIDS POLYURETHANE INK.

PURE Series inks are flexible, durable, and versatile proving economical both in cost and variety of uses. The dominant features include exceptional flow characteristics and cross linking properties, chemical resistance and outdoor durability. Exhibits exceptional flexibility on metals with or without the incorporation of first down size coats. PURE Series may be modified for coil coating and spray applications. Performance standards meet or exceed the specific demands of automotive and appliance metal trim fabricators.



SPECIFICATIONS

USES: For metals, glass, anodized, mill finished and primed aluminum. Also for name plate fabrication, out-door metal signs, decorative architectural and home furnishing glass.

FINISH: High gloss.

OPACITY: Very good opacity.

COVERAGE: Averages about 100 sq. ft. per gallon when printed through 245 Mesh.

DRYING TIME: Must be baked to sufficient temperatures and thermal dwell time or gloss and environmental resistance will be effected. Bake at 300°F. for 15 minutes, or at 350°F. for 8 minutes, or at 400°F. for 4 minutes.

SCREEN FABRIC: Use a 160 - 305+ mesh .

SCREEN COATING, FILM, BLOCKOUT: Water soluble, photo, and hand cut screens, and blockout are recommended.

MODIFIERS: Thin with PURE-530. Use PURE-515 overprint clear for high gloss protective coatings. The addition of .5 to 1.0% PURE-550 Catalyst is required for optimal chemical resistance.

RETARDER: Under hot and dry conditions, use PURE-531 Retarder.

WASHUP: Use SYS-1902 or SYS-1925 or biodegradable washes 2500 or 2510 gel.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Satin Finish
- Outstanding Flexibility
- Scuff Resistant
- For Textile, Paper, Vinyl, etc.

Standard Colors

JSI-100	Extender
JSI-101	Yellow
JSI-102	Golden Yellow
JSI-103	Orange
JSI-104	Red
JSI-105	Bright Red
JSI-106	Scarlet
JSI-107	Magenta
JSI-108	Violet
JSI-109	Sky Blue
JSI-110	Royal Blue
JSI-111	Blue
JSI-112	Navy
JSI-113	Turquoise
JSI-114	Yellow Green
JSI-115	Green
JSI-116	Brown
JSI-117	Black
JSI-118	White
JSI-120	Gold
JSI-121	Solar Gold
JSI-122	Silver
JSI-123	Copper

Opaque Colors

JSI-119	Super Opaque White
JSI-124	Opaque Yellow
JSI-125	Opaque Orange
JSI-126	Opaque Red
JSI-127	Opaque Violet
JSI-128	Opaque Blue
JSI-129	Opaque Green
JSI-131	Opaque Brown
JSI-132	Opaque Navy
JSI-133	Opaque Rubine
JSI-134	Opaque Ochre

Process Colors

JSI-140	Process Yellow
JSI-141	Process Magenta
JSI-142	Process Cyan

Modifiers

JSI-2199	Discharge Additive*
JSI-CHM2000	Screen Life Retarder*

Biodegradable Wash-up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Ge

Packaging:

Available in 8 oz, 16 oz. quarts, and gallons.



JACQUARD INK

Jacquard Screen Inks

MULTI-PURPOSE INK INK.

These professional, permanent, screen printing inks are for many porous and non-porous surfaces. A technology breakthrough open time on the screen has been greatly extended, giving the user more time to work with individual colors without having them dry in the screens. Jacquard's Screen Printing Inks are archival and lightfast with great resolution. They won't wrinkle paper when screening art prints. Clean up is easy with soap and water. The Screen Inks are washable and dry-cleanable on natural and synthetic fabrics. Fabrics must be heat set for permanence and durability.



SPECIFICATIONS

USES: Card, paper, wood, leather, and some fabrics. Other substrates have had successful adhesion. Ideal for art prints. **Test before beginning a production run.**

FINISH: Satin on paper, matte on textiles

OPACITY: Very good opacity.

COVERAGE: Approximately 1000 sq. ft./gallon using a 230 monofilament fabric, and a sharp squeegee on a non-absorbent surface.

DRYING TIME: Jacquard inks dry by water evaporation then polymer cross linking. Prints normally air dry within 60 minutes. Overprints require slightly longer drying time. Insure adequate air circulation when rack drying. For production textiles, 205 - 300° F for one to two minutes in a conveyer dryer are recommended.

SCREEN FABRIC: 110 - 195 Monofilament polyester is recommended for textile printing. Finer meshes may be used for non-absorbant surfaces.

SCREEN COATING, FILM, BLOCKOUT: Water soluble, photo, and hand cut screens, and blockout are recommended.

MODIFIERS: Direct and indirect water resistant photostencils, or lacquer knife-cut stencils and blockout are suitable.

WASHUP: Screen cleans with water or biodegradable solvent 2300.

ALWAYS TEST PRINT BEFORE PRODUCTION

8 oz. Colors

HU-46210	Process Cyan
HU-46211	Process Magenta
HU-46212	Process Yellow
HU-4620	White
HU-4621	Primrose Yellow
HU-4623	Medium Yellow
HU-4624	Orange
HU-4625	Fire Red
HU-4626	Medium Red
HU-4627	Dark Red
HU-4628	Gold
HU-4629	Silver
HU-4630	Violet
HU-4631	Ultra Blue
HU-4632	Dark Blue
HU-4633	Peacock Blue
HU-4634	Emerald Green
HU-4636	Brown
HU-4637	Black
HU-4639	Retarder Base
HU-46219	Extender Base

Quart Colors

HU-46410	Process Cyan
HU-46411	Process Magenta
HU-46412	Process Yellow
HU-4640	White
HU-4641	Primrose Yellow
HU-4643	Medium Yellow
HU-4644	Orange
HU-4645	Fire Red
HU-4646	Medium Red
HU-4647	Dark Red
HU-4648	Gold
HU-4669	Silver
HU-4650	Violet
HU-4651	Ultra Blue
HU-4652	Dark Blue
HU-4653	Peacock Blue
HU-4654	Emerald Green
HU-4656	Brown
HU-4657	Black
HU-46419	Extender Base

Gallon Colors

HU-46610	Process Cyan
HU-46611	Process Magenta
HU-46612	Process Yellow
HU-4660	White
HU-4661	Primrose Yellow
HU-4663	Medium Yellow
HU-4664	Orange
HU-4665	Fire Red
HU-4666	Medium Red
HU-4667	Dark Red
HU-4668	Gold
HU-4689	Silver
HU-4670	Violet
HU-4671	Ultra Blue
HU-4672	Dark Blue
HU-4673	Peacock Blue
HU-4674	Emerald Green
HU-4676	Brown
HU-4677	Black
HU-46619	Extender Base



WATER SOLUBLE ACRYLIC INK

Speedball Non-Toxic Permanent Ink

Permanent inks designed for the professional or hobby screen printer. Inks dry to a permanent film that is ideal for schools, institutions, or anywhere toxicity is a problem. All colors are formulated without the use of heavy metals.



SPECIFICATIONS

USES: Card, paper, wood, leather, and some fabrics.

FINISH: Dries to a low gloss finish.

OPACITY: Most colors have good opacity.

COVERAGE: Approximately 1000 sq. ft./gallon using a 230 monofilament fabric, and a sharp squeegee on a non-absorbent surface.

DRYING TIME: Speedball acrylic inks dry by water evaporation then polymer cross linking. Prints normally air dry within 60 minutes. Overprints require slightly longer drying time. Insure adequate air circulation when rack drying.

SCREEN FABRIC: All fabrics are suitable.

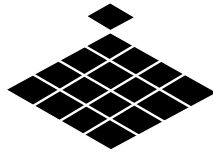
SCREEN COATING, FILM, BLOCKOUT: Direct and indirect water resistant photostencils, or lacquer knife-cut stencils and blockout are suitable.

RETARDER: Under hot and dry conditions, use retarder.

ADHESION: Excellent on paper, cardboard and hardboard. Good scuff resistance.

WASHUP: Screen cleans with water or biodegradable solvents 2500 or 2510 gel.

ALWAYS TEST PRINT BEFORE PRODUCTION



Candoc PTS Series

THERMAL SET INK

SINGLE PART SYSTEM FOR GLASS & METAL DECORATION

PTS Series inks are specially formulated for exterior applications. They offer excellent adhesion and hardness for metal and glass. Colors are extremely durable with a weather resistant high gloss finish. Ideal for general OEM use, nameplates, equipment panels, automotive parts, and decorative glass as well as outdoor signage.



SPECIFICATIONS

USES: Glass and metals including mill finished, anodized aluminum and some powder coated surfaces.

FINISH: High gloss.

OPACITY: Good opacity on most colors.

COVERAGE: Averages about 1200 to 1500 sq. ft. per gallon.

DRYING TIME: Must be baked to sufficient temperatures and thermal dwell time or gloss and environmental resistance will be effected. Bake at 300°F. for 10 minutes, or at 350°F. for 5 minutes, or at 400°F. for 4 minutes.

SCREEN FABRIC: Use a 230 - 300 mesh .

SCREEN COATING, FILM, BLOCKOUT: Water soluble, photo, and hand cut screens, and blockout are recommended.

MODIFIERS: Thin with PT-8001. Improve flow with PTS-8020

RETARDER: Under hot and dry conditions, use PTS-8020 Retarder.

WASHUP: Use SYS-1902 or SYS-1925 or biodegradable washes 2500, 2550, or 2510 gel.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- High gloss
- Outstanding Flexibility
- Excellent weatherability
- Superior Adhesion

Colors

PTS-8003	Hi-Cover White
PTS-8004	Black
PTS-8009	Primrose Yellow*
PTS-8092	Lemon Yellow*
PTS-8006	Medium Yellow*
PTS-8014	Orange*
PTS-8013	Fire Red*
PTS-8022	Flag Red
PTS-8023	Deep Red*
PTS-8019	Maroon*
PTS-8091	Light Blue
PTS-8028	Brilliant Perma Blue
PTS-8008	Ultra Blue
PTS-8007	Navy Blue*
PTS-8090	Emerald Green*
PTS-8025	Perma Green*
PTS-8012	Medium Green*
PTS-8095	Dark Brown
PTS-8015	Light Brown
PTS-8002	Clear

Transparent Colors

PTS-8030	Transparent Blue
PTS-8031	Transparent Yellow
PTS-8032	Transparent Orange
PTS-8033	Transparent Red
PTS-8034	Transparent Violet

Modifiers

PTS-8001	Screening Thinner
PTS-8010	Cleaning Thinner
PTS-8020	Flow promoter
PTS-8021	Retarder
PTS-8050	Catalyst

SYS-1925 Wash-up

Biodegradable Wash-up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging:

Inks and solvents in gallons only.

*Contain lead or chromate pigments

Features

- Fast dry
- High gloss
- Excellent durability
- Resistance to re-wetting and blocking
- Can be vacuum formed

Opaque Colors

AM-1020	Fire Red*
AM-1030	Brilliant Red
AM-1050	Permanent Red*
AM-1080	Maroon
AM-1110	Black
AM-1120	White
AM-1140	Brown
AM-1240	Vermillion*
AM-1300	Primrose Yellow*
AM-1320	Lemon Yellow*
AM-1340	Medium Yellow*
AM-1420	Emerald Green*
AM-1450	Forest Green*
AM-1540	Peacock Blue
AM-1560	Brilliant Blue
AM-1570	Royal Blue
AM-1620	Purple
AM-1640	Cerise
AM-1700	Gloss Clear
AM-2110	Extra Opaque Black
AM-2120	Extra Opaque White

Transparent Colors

AM-1090	Trans. Red
AM-1130	Process Black
AM-1290	Trans. Med. Yellow
AM-1330	Process Yellow
AM-1390	Trans. Primrose Yellow
AM-1490	Trans. Green
AM-1530	Process Cyan
AM-1590	Trans. Blue
AM-1630	Process Magenta
AM-1690	Transparent Cerise
AM-1730	Process Clear
AM-1790	Trans. Orange
AM-1990	Trans. Purple

Solvents

AM-1800	Thinner
AM-1820	Slow Thinner
AM-1840	Wash-up
DC-393	Gel Retarder Base
SYS-1925	Wash-up

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Additives

VP-186	Anti-Scuff
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Packaging:

Inks and solvents in quarts and gallons.

*Contain lead or chromate pigments



VINYL PLUS INK

Ink Tech AM Series

SPECIFICALLY FORMULATED FOR HIGH SPEED PRINTING

A fast-dry vinyl ink specifically formulated for high-speed printing on a wide variety of vinyl, polycarbonate, and some other plastic substrates. A top-quality product for soft, white vinyl 'decals' for fleet marking, equipment identification, etc.



SPECIFICATIONS

USES: Suitable for most vinyl or vinyl-coated surfaces (including highly plasticized vinyl), polycarbonate coated polyester film and especially 'back-lit awning' substrates.

FINISH: Dries to a high-gloss finish.

COVERAGE: Approximately 2500 sq. ft./4 liter using a 280 monofilament fabric, and a sharp squeegee (i.e. machine printing).

DRYING TIME: AM Series dries by evaporation. Prints normally air dry within 10 minutes with good air circulation, or jet dry within 30 seconds at 120°F. Overprints require slightly longer drying time.

SCREEN FABRIC: All fabrics are suitable.

SCREEN COATING, FILM, BLOCKOUT: Direct and indirect photostencils, or water-soluble knife-cut films are suitable.

MODIFIERS: Ink may be used straight from can, but 10-20% thinning is recommended with AM-1800 thinner for optimum printing. For mixing metallic powders use AM-1700.

RETARDER: Under hot and dry conditions, use VP-182 Slow Thinner.

WASHUP: Screen cleans with SYS-1925 Lacquer Washup, VP-184 or biodegradable washes 2500 or 2510 screen wash gel

MIXING COLORS

AM-2110	Ex-Opaque Black	AM-2400	Purple
AM-2120	Ex-Opaque White	AM-2450	Blue 072
AM-2150	Yellow	AM-2500	Violet
AM-2200	Rubine Red	AM-2600	Reflex Blue
AM-2250*	Orange 021	AM-2700	Process Blue
AM-2300	Rhodamine Red	AM-2800	Opaque Green
AM-2350*	Red 485	AM-2850	Green

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- High clarity transparent colors
- Available in gloss or flat finish
- Delamination resistant
- Excellent Flexibility
- Outstanding adhesion properties

Colors

PC-3401	Flat White
PC-3401A	Gloss White
PC-3402	Flat Black
PC-3402A	Gloss Black
PC-3406	Primrose Yellow*
PC-3409	Lemon Yellow*
PC-3412	Medium Yellow*
PC-3411	Orange*
PC-3490	Emerald Green*
PC-3415	Perma Green*
PC-3491	Light Blue
PC-3427	Navy Blue*
PC-3413	Fire Red*
PC-3424	Deep Red*
PC-3408	Magenta*
PC-3496	Maroon*

Metallic Colors

PC-3433	Brite Silver
PC-3435	Rich Pale Gold
PC-3536	Rich Gold
PC-3437	Silver

Transparent Colors

PC-3471	Primrose Yellow
PC-3472	Medium Yellow
PC-3473	Red (Yellow Shade)
PC-3474	Red (Blue Shade)
PC-3475	Blue (Red Shade)
PC-3476	Blue (Green Shade)
PC-3477	Perma Green
PC-3478	Violet

Modifiers

PC-3400	Mixing Clear
PC-3410	Reducer
PC-3421	Retarder
PC-3440	Satin Clear
SYS-1902	Fast Washup
SYS-1925	Wash-up

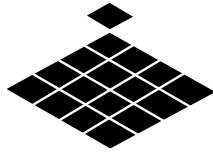
Biodegradable Wash-up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging:

Inks and solvents in gallons only.

*Contain lead or chromate pigments



Candoc PC Series

POLYCARBONATE INK

EXCELLENT ADHESION AND DURABILITY ON VINYLs AND OTHER PLASTICS

PC Series polycarbonate inks provide excellent adhesion and good exterior durability on a wide range of vinyls, polycarbonates and many other plastics. This weatherproof ink series prints sharp and clean, drying to a smooth gloss or flat finish. This fast drying ink series is excellent for die-cutting and post-printing. PC Series colors can be modified as recommended to meet your specific job requirements.



SPECIFICATIONS

USES: Ideal for electronic membrane touch switch applications, vinyls, Lexan, pressure sensitive vinyl decals, polycarbonate, acrylics, and ABS plastics.

FINISH: Dries to a good, scuff resistant gloss coating.

OPACITY: Very good opacity.

COVERAGE: Averages about 1000-1300 sq. ft. per gallon

DRYING TIME: Air-dries in approximately 30 minutes; jet dries in 20 - 30 seconds at 100 -120°F.

SCREEN FABRIC: Use a 200 - 305 mesh for colors and clear coats, polyester and metal mesh monofilament fabrics produce most uniform coatings. For best detail and printability results, 305 monofilament should be used.

SCREEN COATING, FILM, BLOCKOUT: Water soluble, photo, and hand cut screens, and blockout are recommended.

MODIFIERS: Thin with PC-3410. To extend colors, to increase gloss, add PC-3400 clear base in any proportions as color may require.

RETARDER: Under hot and dry conditions, use PC-3421 Retarder.

ADHESION: Excellent on many plastics.

WASHUP: Use SYS-1902, SYS-1925 or biodegradable washes 2500 or 2510 screen wash gel.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Dries to a gloss finish
- For indoor and outdoor use
- For all types of vinyl surfaces
- Excellent adhesion to most vinyls
- Low odor

Colors

SGV-703	White
SGV-704	Black
SGV-709	Primrose Yellow*
SGV-792	Lemon Yellow*
SGV-706	Medium Yellow*
SGV-714	Orange*
SGV-790	Emerald Green*
SGV-712	Medium Green*
SGV-725	Perma Green*
SGV-728	Brilliant Perma Blue
SGV-791	Light Blue
SGV-707	Navy Blue
SGV-708	Ultra Blue
SGV-713	Fire Red*
SGV-794	Flag Red*
SGV-723	Deep Red*
SGV-719	Maroon*
SGV-715	Light Brown
SGV-795	Dark Brown

Metallic Colors

SGV-734	Pale Gold
SGV-735	Rich Pale Gold
SGV-736	Rich Gold
SGV-737	Silver
SGV-733	Bright Silver

Transparent Mixing Colors

SGV-MS01	Process Yellow
SGV-MS02	Mixing Orange
SGV-MS03	Rubine
SGV-MS04	Rhodamine
SGV-MS05	Purple
SGV-MS06	Reflex Blue
SGV-MS07	Cyan
SGV-MS08	Green
SGV-MS09	Mixing White
SGV-MS10	Mixing Black
SGV-MS11	Mixing Clear

Modifiers

SGV-701	Screening Thinner
SGV-702	Clear
SGV-710	Cleaning Thinner
SGV-717	Extender
SGV-720	Retarder
SGV-721	Clear for Gold
SGV-11335	Flow Promoter
SYS-1911	Wash-up

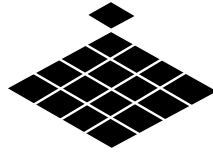
Biodegradable Wash-up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging:

Inks and solvents in gallons only.

*Contain lead or chromate pigments



Candoc SGV Series

GLOSS VINYL INK

SUPERIOR PRINT QUALITY FOR INDOOR AND OUTDOOR PRESSURE SENSITIVES

SGV Series low-odor vinyl weatherproof inks are formulated for high quality screen printing on pressure sensitive decals and rigid vinyl materials. All SGV Series colors have high fade resistance and dry to a durable gloss finish. SGV Series inks retain flexibility and may be printed straight from the can or intermixed with VC Series inks to subdue the gloss finish.



SPECIFICATIONS

USES: For use on vinyl-coated products, pressure sensitive decals, novelties, vinyls, book covers, molded parts, signs and vinyl top-coated polyester.

FINISH: Dries to a flexible, semi-gloss finish.

OPACITY: Excellent opacity for most colors.

COVERAGE: Averages about 1200 sq. ft. per gallon

DRYING TIME: Air-dries in approximately 30 minutes; forced drying time is 30 to 60 seconds at 100°F-120°F. Low lifts are recommended.

SCREEN FABRIC: Use a 160-300+ mesh for conventional printing.

SCREEN COATING, FILM, BLOCKOUT: Water soluble, photo and hand cut screens, and blockout are recommended.

MODIFIERS: Thin with SGV-701 or SYS-1920. To subdue the gloss finish, mix PT-83 Flattening Powder with SYS-1920 to a paste consistency and add to the color.

FLOW AGENT: SGV-11335.

RETARDER: Under hot and dry conditions, use SGV-720 Retarder sparingly.

ADHESION: Excellent on most vinyls.

WASHUP: Use SYS-1911 Vinyl Washup or biodegradable washes 2500 or 2510 screen wash gel.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Excellent outdoor durability
- High Gloss
- Excellent flexibility
- Ideal for hand printing
- Extensive color range

Colors

GLV-1020	Fire Red*
GLV-1030	Brilliant Red
GLV-1040	Bright Red*
GLV-1050	Permanent Red*
GLV-1080	Maroon
GLV-1110	Black
GLV-1120	White
GLV-1140	Brown
GLV-1220	Orange*
GLV-1240	Vermillion*
GLV-1300	Primrose Yellow*
GLV-1320	Lemon Yellow*
GLV-1340	Medium Yellow*
GLV-1420	Emerald Green*
GLV-1450	Forest Green*
GLV-1480	Dark Green*
GLV-1540	Peacock Blue
GLV-1560	Brilliant Blue
GLV-1570	Royal Blue
GLV-1580	Dark Blue
GLV-1620	Purple
GLV-1640	Cerise
GLV-1660	Magenta
GLV-1700	Clear
GLV-2110	Extra Opaque Black
GLV-2120	Extra Opaque White

Transparent Colors

GLV-1090	Trans. Red
GLV-1390	Trans. Primrose Yellow
GLV-1490	Trans. Green
GLV-1590	Trans. Blue
GLV-1690	Trans. Cerise
GLV-1790	Trans. Orange
GLV-1990	Trans. Purple

Four-Color Process

GLV-1130	Process Black
GLV-1330	Process Yellow
GLV-1530	Process Blue
GLV-1630	Process Magenta
GLV-1730	Process Clear

Solvents

GLV-1800	Thinner
GLV-1820	Slow Thinner
GLV-1830	Extra Slow Thinner
GLV-1840	Washup
SYS-1911	Washup
SYS-1912	Fast Thinner
SYS-1920	Slow Thinner

Additives

GLV-1870	Flow agent
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Packaging

Inks and solvents in quarts and gallons.

*Contains lead or chromate pigments.



Ink Tech GLV Series

GLOSS VINYL INK

GENERAL PURPOSE, GLOSS VINYL LACQUER FOR HAND OR MACHINE PRINTING

The GLV Series ink was formulated for outdoor use on self-adhesive vinyl "decals". GLV Series is ideal for use on any substrate where gloss, flexibility and durability are required. Suitable for fleet marking (vinyl pressure sensitive), vinyl upholstery decoration and repair, PVC and acrylic containers, etc.



SPECIFICATIONS

USES: For use on rigid and flexible vinyls, vinyl-coated fabrics, acetate sheets, PVC bottles, top-coated polyester films, acrylic, and polycarbonate.

FINISH: Dries to a flexible, high gloss finish.

OPACITY: Excellent opacity for most colors.

COVERAGE: Averages about 1,500 - 2000 sq. ft. per 4 liter.

DRYING TIME: GLV Series dries by solvent evaporation. Prints normally air dry in 30 to 60 minutes, given adequate air circulation. For Jet drying use MA Series. Low lifts are recommended.

SCREEN FABRIC: Use a 200 or coarser mesh to achieve greatest opacity. Can use up to a 255 monofilament, anything finer should not be used.

SCREEN COATING, FILM, BLOCKOUT: Direct and indirect photostencils, and water-adhering knife-cut films are suitable.

MODIFIERS: Thin with GLV-1800 or GLV-1820 Slow Thinner; SYS 1912 or SYS 1920.

FLOW AGENT: GLV-1870.

RETARDER: Under hot and dry conditions, use GLV-1820 or SYS-1920.

ADHESION: Excellent on most vinyls.

WASHUP: Use GLV-1840 Washup or 2500 - 2510 biodegradable wash and wash gel for fast economical washup.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Great adhesion due to fusion cure
- Flat finish
- Good opacity

Color

VC-103	White
VC-8819	High Cover White
VC-104	Black
VC-109	Primrose Yellow*
VC-106	Medium Yellow*
VC-114	Orange*
VC-112	Medium Green*
VC-125	Perma Green
VC-107	Iron Blue*
VC-108	Ultra Blue
VC-128	Perma Blue
VC-113	Perma Light Red*
VC-122	Mandarin Red*
VC-123	Deep Red*
VC-115	Iron Oxide*
VC-119	Maroon

Transparent Colors

VC-131	Transparent Yellow*
VC-132	Transparent Orange*

Metallics

VC-134	Pale Gold
VC-135	Rich Pale Gold
VC-136	Rich Gold
VC-137	Silver

Thinners/Modifiers

VC-100	Flat Overprint Clear
VC-102	Extender Clear
VC-121	Clear for Gold
VC-117	Flat Extender
VC-5562	Fast Dry Extender
VC-7030H	Half Tone Extender
VC-101	Screening Thinner
VC-8372	Fast Dry Thinner
VC-110	Cleaning Thinner
VC-120	Retarder

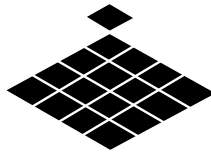
Biodegradable Wash-up

2500	Screen Wash
2510	Screen Wash Gel

Packaging:

Inks and solvents in gallons only.

*Contains lead or chromate pigments



Candoc VC Series

FLAT VINYL INK

FLAT FINISH FUSION CURE SYSTEM FOR VINYL & OTHER PLASTICS

A versatile, true vinyl system with a pleasing flat finish, VC Series Inks offer excellent adhesion to a variety of vinyl substrates and perform well on many other plastics. VC adheres through chemical fusion and becomes part of the substrate, making it ideal for Scotchcal and other extended use vinyl films. It dries quickly to a flexible flat finish, ideal for printing polycarbonates such as Lexan.



SPECIFICATIONS

USES: Use on flexible and rigid vinyl, pressure sensitive calendered vinyl films, rigid PVC foam graphics sheets, and polycarbonates.

FINISH: Cures to a high gloss finish.

OPACITY: Good opacity on most colors

DRYING TIME: Dries by solvent evaporation in 20-30 minutes by air, and can be force dried in seconds (fresh air flow).

SCREEN FABRIC: Use monofilament 160 to 300+ for high print quality.

SCREEN COATING, FILM, BLOCKOUT: Lacquer proof, direct method emulsion or capillary films.

MODIFIERS: Reduce with VC-101 Screening Thinner or VC-8372 Fast Dry Thinner. Extend with VC-117 Flat Extender or VC-5562 Fast Dry Extender.

ADHESION: Excellent for recommended substrates.

COVERAGE: About 1200 sq. ft. per gallon.

WASHUP: VC-110 Cleaning Thinner, or biodegradable screen washes 2500 or 2510 screen wash gel.

FLUORESCENT COLORS

FMP-9060	Blaze Orange	FMP-9066	Neon Red
FMP-9061	Aurora Pink	FMP-9067	Magenta
FMP-9062	Rocket Red	FMP-9068	Horizon Blue
FMP-9063	Signal Green	FMP-9069	Saturn Yellow
FMP-9064	Arc Yellow	FMP-9001	Screen Thinner
FMP-9065	Fire Orange	FMP-9021	Retarder

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- High gloss finish
- Good opacity
- Extensive color range
- Fast drying
- Low odor
- Tough water-proof film

Opaque Colors

CRP-1020	Fire Red*
CRP-1030	Brilliant Red
CRP-1050	Permanent Red*
CRP-1080	Maroon
CRP-1110	Black
CRP-1120	White
CRP-1220	Orange*
CRP-1300	Primrose Yellow*
CRP-1320	Lemon Yellow*
CRP-1340	Medium Yellow*
CRP-1370	Extender
CRP-1420	Emerald Green*
CRP-1450	Forest Green*
CRP-1480	Dark Green*
CRP-1540	Peacock Blue
CRP-1560	Brilliant Blue
CRP-1570	Royal Blue
CRP-1580	Dark Blue
CRP-1620	Purple
CRP-1640	Cerise
CRP-1660	Magenta
CRP-1700	Clear

Transparent Colors

CRP-1090	Trans. Red
CRP-1490	Trans. Green
CRP-1590	Trans. Blue
CRP-1690	Trans. Cerise
CRP-1990	Trans. Purple

Four-Color Process

CRP-1130	Process Black
CRP-1330	Process Yellow
CRP-1530	Process Blue
CRP-1630	Process Magenta
CRP-1730	Process Clear

Solvents

CRP-1800	Thinner
CRP-1820	Slow Thinner
CRP-1840	Wash-up
CRP-1950	Anti-Cobweb Thinner

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging:

Inks and solvents in quarts and gallons.

*Contains lead or chromate pigments



Inktech CRP Series

CORRUGATED PLASTIC INK

A HIGH GLOSS INK FORMULATED FOR CORRUGATED PLASTIC SHEETS

The CRP Series ink was formulated for indoor or outdoor use. Suitable for most corrugated plastic sheets extruded from special co-polymer resins and surface treated to a level of 50 dynes/cent. or better. These inks have excellent scuff resistance and demonstrate excellent adhesion and water resistance on correctly treated surfaces.



SPECIFICATIONS

USES: Corrugated co-polymer resin sheets (e.g. Coroplast, Prime Cor-X, etc.) Good adhesion on some polypropylene, paper, card, etc.

FINISH: Dries to a high gloss finish.

OPACITY: Good opacity for most colors.

COVERAGE: Averages about 2,000 sq. ft. per gallon using 230 mesh monofilament.

DRYING TIME: CRP Series dries by evaporation. Prints normally air-dry within 30 minutes, or 30 to 60 seconds on a jet dry at 130°F. Overprints may require slightly longer due to rewetting of previous color. Ensure adequate air circulation when rack drying.

SCREEN FABRIC: All fabrics are suitable; however, for optimum characteristics and good outdoor durability, use 200 to 250 monofilament mesh. Greatest opacity is achieved using 200 mesh monofilament or coarser fabric. For double sided or work requiring scuff resistance use 280 to 305 mesh monofilament and a sharp squeegee.

SCREEN COATING, FILM, BLOCKOUT: Direct and indirect photostencils, or water soluble, knife-cut stencils are suitable.

MODIFIERS: May be used straight from the can, but 5-15% thinning with CRP-1800 Thinner is recommended for optimum printing characteristics and leveling. CRP-1370 Extender should be used when conditions require greater transparency or color brilliance. Use CRP-1700 as a metallic base.

RETARDER: To improve screen stability, or under hot shop conditions, use some or all Slow Thinner CRP-1802.

DIE CUTTING / CREASING: Can be die cut, test before production.

WASHUP: Use CRP-1840 Washup or biodegradable wash 2500 or 2510

MIXING COLORS

CRP-2150	Yellow	CRP-2450	Blue 072
CRP-2200	Rubine Red	CRP-2500	Violet
CRP-2250	Orange 021	CRP-2600	Reflex Blue
CRP-2300	Rhodamine Red	CRP-2700	Process Blue
CRP-2350	Red 485	CRP-2800	Opaque Green
CRP-2400	Purple	CRP-2850	Green

Features

- High gloss
- Excellent outdoor durability
- Extensive range of colors
- Adhesion to many substrates
- Good product resistance

Opaque Colors

GLE-1010	Red 032*
GLE-1020	Fire Red*
GLE-1030	Brilliant Red
GLE-1040	Bright Red*
GLE-1050	Permanent Red*
GLE-1060	Red 185*
GLE-1080	Maroon
GLE-1110	Black
GLE-1120	White
GLE-1140	Brown
GLE-1220	Orange*
GLE-1240	Vermillion*
GLE-1250	Warm Red*
GLE-1300	Primrose Yellow*
GLE-1320	Lemon Yellow*
GLE-1340	Medium Yellow*
GLE-1350	Overprint Clear
GLE-1370	Extender
GLE-1420	Emerald Green*
GLE-1450	Forest Green*
GLE-1480	Dark Green*
GLE-1520	Opaque Reflex Blue*
GLE-1540	Peacock Blue
GLE-1560	Brilliant Blue
GLE-1570	Royal Blue
GLE-1580	Dark Blue
GLE-1620	Purple
GLE-1640	Cerise
GLE-1660	Magenta

Four-Color Process

GLE-1130	Process Black
GLE-1330	Process Yellow
GLE-1530	Process Blue
GLE-1630	Process Magenta
GLE-1730	Process Clear

Transparent Colors

GLE-1090	Trans. Red
GLE-1290	Trans. Med. Yellow
GLE-1390	Trans. Prim. Yellow
GLE-1490	Trans. Green
GLE-1590	Trans. Blue
GLE-1690	Trans. Cerise
GLE-1700	Clear
GLE-1790	Trans. Orange
GLE-1990	Trans. Purple

Additives

GLE--1900	Thinning Varnish
GLE-1950	Anti-Skinning Agent

Solvents

GLE-1800	Thinner
SYS-1900	Thinner & Washup
SYS-1910	Slow Thinner
SYS-1925	Washup

Biodegradable Washes

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging:

Inks and solvents in quarts and gallons.

*Contains lead or chromate pigments



GLOSS ENAMEL INK

Inktech GLE Series

A GENERAL PURPOSE, HIGH GLOSS, ENAMEL INK FOR HAND OR MACHINE PRINTING



The GLE Series ink is suitable for most exterior traffic signs, high quality exterior P.O.P. displays and industrial decoration, polyethylene and polypropylene containers. The GLE Series offers the most extensive range of colors as well as adhesion to many substrates.

SPECIFICATIONS

USES: For use on most types of paper, card, wood, sealed particle board, metal (properly primed for the intended use), glass, treated polyethylene and polypropylene, reflective sheeting, and some pressure sensitive materials.

FINISH: Dries to a durable, high gloss finish.

OPACITY: Excellent opacity for most colors.

COVERAGE: Averages about 1,300 sq. ft. per gallon.

DRYING TIME: GLE Series dries by oxidation in approximately 1-1/2 to 4 hours for second coat application or "overnight" before final stacking. Prints may be force dried for 15-20 minutes in an oven, provided the temperature does not exceed 248°F.

SCREEN FABRIC: Use a 156 mesh to achieve greatest opacity. Higher mesh counts to 280 can be used for finer detail when necessary.

SCREEN COATING, FILM, BLOCKOUT: Direct and indirect photostencils, and all knife-cut stencils are suitable.

MODIFIERS: Thin with GLE-1800 Thinner.

ADHESION: Excellent on most substrates.

WASHUP: Use SYS-1900 or biodegradable washes 2500 or 2510 screen wash gel.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- ☐Satin Finish
- ☐Excellent outdoor durability
- ☐Extensive range of colors
- ☐Ideal for fine art prints
- ☐Good scuff resistance

Opaque Colors

STP-1010	Red 032*
STP-1020	Fire Red*
STP-1030	Brilliant Red
STP-1040	Bright Red*
STP-1050	Permanent Red*
STP-1060	Red 185*
STP-1080	Maroon
STP-1110	Black
STP-1120	White
STP-1140	Brown
STP-1220	Orange*
STP-1240	Vermillion*
STP-1250	Warm Red*
STP-1300	Primrose Yellow*
STP-1320	Lemon Yellow*
STP-1340	Medium Yellow*
STP-1350	Overprint Clear
STP-1370	Extender
STP-1420	Emerald Green*
STP-1450	Forest Green*
STP-1480	Dark Green*
STP-1520	Opaque Reflex Blue*
STP-1540	Peacock Blue
STP-1560	Brilliant Blue
STP-1570	Royal Blue
STP-1580	Dark Blue
STP-1620	Purple
STP-1640	Cerise
STP-1660	Magenta

Four-Color Process

STP-1130	Process Black
STP-1330	Process Yellow
STP-1530	Process Blue
STP-1630	Process Magenta
STP-1730	Process Clear

Transparent Colors

STP-1090	Trans. Red
STP-1290	Trans. Med. Yellow
STP-1390	Trans. Prim. Yellow
STP-1490	Trans. Green
STP-1590	Trans. Blue
STP-1690	Trans. Cerise
STP-1700	Clear
STP-1790	Trans. Orange
STP-1990	Trans. Purple

Solvents

STP-1800	Thinner
STP-1820	Slow Thinner
SYS-1900	Thinner & Washup
SYS-1910	Slow Thinner
SYS-1925	Washup

Biodegradable Washes

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging:

Inks and solvents in quarts and gallons.

*Contains lead or chromate pigments



Inktech Satin Poster

SATIN POSTER

A fast dry satin finish poster ink designed for both indoor and outdoor use. Suitable for printing on paper and cardboard for most P.O.P. display applications.

SPECIFICATIONS

USES: Excellent weatherability for outdoor signage. Ideal for P.O.P., displays, billboards, and fine art printing..

FINISH: Dries to a tough, satin finish.

OPACITY: Excellent opacity.

COVERAGE: Approximately 2100 sq.ft./1 U.S. Gallon using a 280/in. monofilament fabric.

DRYING TIME: By solvent evaporation . STP Series air dries in 15 to 30 minutes or 15 to 30 seconds in a Jet Dryer. Allow more time when overprinting to avoid possible rewetting of previous colors.

SCREEN FABRIC: Use 157 to 355 monofilament fabric.

SCREEN COATING, FILM, BLOCKOUT: Direct and indirect photo stencils, water or water soluble knife-cut films are suitable.

MODIFIERS: May be used straight from the can but it is recommended to thin 5 - 15% by weight with STP-1800 Thinner. Over thinning may cause ☐nottling☐when printing on porous stock. For maximum lightfastness or outdoor durability, little or no thinning is recommended.

ADHESION: STP-1370 Extender Base should only be used to increase transparency of colors. However, this will reduce the durability and lightfastness of the color. Use a small amount of STP-1730 Process Clear ink to improve print quality, if required.

DIE CUTTING: Can be successfully die-cut or creased, but should be tested prior to production.

WASHUP: Use SYS-1900 Thinner/Washup or biodegradable washes 2500 or 2510 screen wash gel.

ALWAYS TEST PRINT BEFORE PRODUCTION





Ink Tech GLL Series

GLOSS LACQUER INK

A GENERAL PURPOSE, GLOSS-FINISH, NITROCELLULOSE-BASED LACQUER FOR HAND OR MACHINE PRINTING

The GLL Series ink was formulated for indoor and medium-term outdoor exposure for a wide variety of substrates. The GLL Series has an extensive range of colors including four-color process and transparent colors. Formulated with a gloss finish this series air dries quickly.



SPECIFICATIONS

USES: For use on nitrocellulose lacquer (pyroxylin)-coated stocks (fabric or paper), card, paper, primed metal, cellulose-based plastics and coated foils.

FINISH: Dries to a gloss finish.

OPACITY: Good opacity for most colors.

COVERAGE: Averages about 2,000 sq. ft. per 4 liter.

DRYING TIME: GLL Series dries by evaporation. Prints normally air-dry within 20 to 40 minutes, or 10 to 50 seconds on a jet dryer.

SCREEN FABRIC: Use a 200 or coarser mesh to achieve greatest opacity. Higher mesh counts can be used for finer detail when necessary.

SCREEN COATING, FILM, BLOCKOUT: Direct and indirect photostencils, or water soluble, knife-cut stencils are suitable.

MODIFIERS: Direct and indirect photostencils, or water soluble, knife-cut stencils are suitable.

FLOW AGENT: GLL-1870.

RETARDER: To improve screen stability, or under hot shop conditions, use some or all Slow Thinner GLL-1820.

ADHESION: Excellent on most substrates.

WASHUP: Use GLL-1840, SYS-1925, or biodegradable washups 2500 or 2510 screen wash gel.

MIXING COLORS

GLL-2150	Yellow	GLL-2450	Blue 072
GLL-2200	Rubine Red	GLL-2500	Violet
GLL-2250	Orange 021	GLL-2600	Reflex Blue
GLL-2300	Rhodamine Red	GLL-2700	Process Blue
GLL-2350	Red 485	GLL-2800	Opaque Green
GLL-2400	Purple	GLL-2850	Green

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Gloss finish
- Good opacity
- Extensive color range
- Fast Curing
- Excellent screen stability

Opaque Colors

GLL-1010	Red 032*
GLL-1020	Fire Red*
GLL-1030	Brilliant Red
GLL-1040	Bright Red*
GLL-1050	Permanent Red*
GLL-1060	Red 185*
GLL-1080	Maroon
GLL-1110	Black
GLL-1120	White
GLL-1140	Brown
GLL-1220	Orange*
GLL-1240	Vermillion*
GLL-1250	Warm Red*
GLL-1300	Primrose Yellow*
GLL-1320	Lemon Yellow*
GLL-1340	Medium Yellow*
GLL-1350	Overprint Clear
GLL-1370	Extender
GLL-1420	Emerald Green*
GLL-1450	Forest Green*
GLL-1480	Dark Green*
GLL-1520	Opaque Reflex Blue*
GLL-1540	Peacock Blue
GLL-1560	Brilliant Blue
GLL-1570	Royal Blue
GLL-1580	Dark Blue
GLL-1620	Purple
GLL-1640	Cerise
GLL-1660	Magenta
GLL-1700	Clear

Transparent Colors

GLL-1090	Trans. Red
GLL-1290	Trans. Med. Yellow
GLL-1390	Trans. Prim. Yellow
GLL-1490	Trans. Green
GLL-1590	Trans. Blue
GLL-1690	Trans. Cerise
GLL-1790	Trans. Orange
GLL-1990	Trans. Purple

Four-Color Process

GLL-1130	Process Black
GLL-1330	Process Yellow
GLL-1530	Process Blue
GLL-1630	Process Magenta
GLL-1730	Process Clear

Modifiers

GLL-1780	Sharp Printing Compound
GLL-1860	Anti-Scuff
DC-393	Gel Retarder

Solvents

GLL-1800	Thinner
GLL-1820	Slow Thinner
SYS-1902	Washup
SYS-1925	Washup

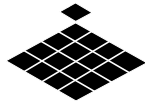
Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2550	Screen Wash

Packaging:

Inks and solvents in quarts and gallons.

*Contains lead or chromate pigments



Candoc SS Series

FLEXIBLE & FAST DRYING, THE INDUSTRIES
FINEST LACQUER

LACQUER INK



SS Lacquer is a fast drying, high gloss ink with excellent adhesion to a variety of substrates. It is especially noted for flexibility, making it ideal for decals and other films that conform to curved surfaces. It won't crack or alligator. die cuts without chipping and displays good screen stability.

SPECIFICATIONS

USES: Use on coated paper, decals, foam board (Fome-Cor, Foam-X, C-III, or Bienfang), Tyvek, Metallic (Polyester) Balloons, Wood, Leather, Metals, Pyroxylin coated stock, Kimdura (thin banner material), etc.

FINISH: Cures to a gloss finish.

OPACITY: Good on most colors.

DRYING TIME: Force dries in seconds with high efficiency dryers (3000-5000 CFM fresh air equipped with air knives). Air dries in 15-45 minutes depending on temperature and air circulation. Adding retarder will slow dry times.

SCREEN FABRIC: For best results use 140 to 305+ polyester monofilament.

SCREEN COATING, FILM, BLOCKOUT: Photo screens. Also hand cut water mount or lacquer proof.

MODIFIERS: Reduce with T-804 Lacquer Thinner, or 9840 Fast Dry Lacquer Thinner. Retard with T-22

ADHESION: Excellent for recommended substrates.

COVERAGE: About 1000 sq. ft. per gallon.

WASHUP: SYS-1925 or biodegradable washes 2500 or 2510 gel.

TRANSPARENT MIXING COLORS

SS-MS01	Process Yellow	SS-MS06	Reflex Blue
SS-MS02	Mixing Orange	SS-MS07	Cyan
SS-MS03	Rubine	SS-MS08	Green
SS-MS04	Rhodamine	SS-MS09	Mixing White
SS-MS05	Purple	SS-MS10	Mixing Black
SS-MS11	Mixing Clear	SS-MS11	mixing Clear

FLUORESCENT COLORS

SS-1160	Blaze Orange	SS-1166	Neon Red
SS-1161	Aurora Pink	SS-1167	Magenta
SS-1162	Rocket Red	SS-1168	Horizon Blue
SS-1163	Signal Green	SS-1169	Saturn Yellow
SS-1164	Arc Yellow	SS-1101	Screen Thinner
SS-1165	Fire Orange	SS-1121	Retarder

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Extremely Flexible
- High gloss
- Fast drying
- Good screen stability

Opaque Colors

SS-1101	White
SS-1104	Flat White
SS-1102	Black
SS-1130	Flat Black
SS-1106	Primrose Yellow*
SS-1109	Lemon Yellow*
SS-1110	Medium Yellow*
SS-1111	Orange*
SS-1190	Emerald Green*
SS-1118	Medium Green*
SS-1115	Perma Green*
SS-1113	Ultra Blue
SS-1114	Brilliant Perma Blue*
SS-1191	Light Blue
SS-1127	Navy Blue*
SS-1107	Fire Red*
SS-1112	Flag Red*
SS-1124	Deep Red*
SS-1108	Magenta*
SS-1196	Maroon*
SS-1129	Light Brown*
SS-1121	Dark Brown

Metallic Colors

SS-1134	Pale Gold
SS-1135	Rich Pale Gold
SS-1136	Rich Gold
SS-1137	Silver
SS-1133	Bright Silver
L-345	Clear Non-Jel Base

Clears & Thinners

SS-1000	Clear Overprint
L-318	Mixing Clear
L-366	Fast Dry Clear
L-51	Clear Hardener
L-337	Hard Dry Clear
SS-1122	Transparent Base
SS-1125	Halftone Base
T-804	Lacquer Thinner
9840	Fast Dry Thinner
T-22	Retarder
9775	Flow Promoter
SYS-1925	Wash up

Biodegradable Wash-up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging:

Inks available in gallons only.

*Contains lead or chromate pigments



Candoc KP Series

HIGHLY DURABLE WITH EXCELLENT FILM INTEGRITY

LACQUER INK

Features

- Hard finish
- High gloss
- Fast drying
- Good screen stability

Opaque Colors

KP-2103	White
KP-2104	Black
KP-2109	Primrose Yellow*
KP-2192	Lemon Yellow*
KP-2106	Medium Yellow*
KP-2111	Orange*
KP-2190	Emerald Green*
KP-2118	Medium Green*
KP-2115	Perma Green*
KP-2113	Ultra Blue
KP-2114	Brilliant Perma Blue*
KP-2191	Light Blue
KP-2127	Navy Blue*
KP-2193	Fire Red*
KP-2194	Flag Red*
KP-2124	Deep Red*
KP-2196	Magenta
KP-2129	Light Brown*
KP-2195	Dark Brown
KP-2121	Low Acid Mixing Clear
KP-2196	Maroon*

Transparent Colors

KP-2009	Yellow (Red Shade)
KP-2023	Yellow (Green Shade)
KP-2014	Orange
KP-2012	Red (Yellow Shade)
KP-2024	Red (Blue Shade)
KP-2025	Green (Blue Shade)
KP-2026	Green (Yellow Shade)
KP-2028	Blue
KP-2035	Transparent Gold
KP-2022	Violet

Clears & Thinners

KP-2002	Clear Overprint
KP-2000	Screening Thinner
KP-2001**	Metal Etching Thinner
KP-2010	Cleaning Thinner
KP-2020	Retarder
KP-2017	Flat Extender
SYS-1925	Wash up

Biodegradable Wash-up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging:

Inks and solvents in gallons, and 5 gallon containers.

*Contains lead or chromate pigments

**KP2001 enhances ink adhesion when printing metal

Fast drying KP Lacquer is a multi-purpose formulation recommended for a variety of flat substrates. It offers a hard finish and superb adhesion to glass, plastics and other recommended substrates. KP displays good opacity and a pleasing gloss finish.

SPECIFICATIONS

USES: Use on most plastics (polypropylene not recommended), glass, metals, and hardboard.

FINISH: Cures to a gloss finish.

OPACITY: Good on most colors.

DRYING TIME: Force dries in seconds with high efficiency dryers (3000-5000 CFM fresh air equipped with air knives). Air dries in 15-45 minutes depending on temperature and air circulation. Adding retarder will slow dry times.

SCREEN FABRIC: For best results use 140 to 305+ polyester monofilament.

SCREEN COATING, FILM, BLOCKOUT: Photoscreens. Also hand cut water mount or lacquer proof.

MODIFIERS: Reduce with KP-2000 Lacquer Thinner. Retard with KP-2020.

ADHESION: Excellent for recommended substrates.

COVERAGE: About 1000 sq. ft. per gallon.

WASHUP: KP-2010, SYS-1925 or biodegradable washes 2500 or 2510 screen wash gel



TRANSPARENT MIXING COLORS

KP-MS01	Process Yellow	KP-MS06	Reflex Blue
KP-MS02	Mixing Orange	KP-MS07	Cyan
KP-MS03	Rubine	KP-MS08	Green
KP-MS04	Rhodamine	KP-MS09	Mixing White
KP-MS05	Purple	KP-MS10	Mixing Black
KP-MS11	Mixing Clear	KP-MS11	Mixing Clear

FLUORESCENT COLORS

KP-2160	Blaze Orange	KP-2166	Neon Red
KP-2161	Aurora Pink	KP-2167	Magenta
KP-2162	Rocket Red	KP-2168	Horizon Blue
KP-2163	Signal Green	KP-2169	Saturn Yellow
KP-2164	Arc Yellow	KP-2101	Screen Thinner
KP-2165	Fire Orange	KP-2121	Retarder

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Very durable coating
- Excellent gloss finish
- Excellent adhesion to polyester
- Fast drying
- Permanent colors

Colors

PR-7002	Clear
PR-7003	White
PR-7004	Black
PR-7009	Primrose Yellow*
PR-7092	Lemon Yellow
PR-7006	Medium Yellow*
PR-7014	Orange*
PR-7090	Emerald Green
PR-7012	Medium Green*
PR-7025	Perma Green
PR-7008	Ultra Blue*
PR-7007	Navy Blue*
PR-7028	Perma Blue
PR-7013	Fire Red*
PR-7022	Flag Red*
PR-7023	Deep Red*
PR-7019	Maroon
PR-7015	Light Brown*
PR-7095	Dark Brown*

Transparent Colors

PR-7029	Transparent Blue R
PR-7030	Transparent Blue
PR-7031	Transparent Yellow
PR-7032	Transparent Orange
PR-7033	Transparent Red
PR-7034	Transparent Violet
PR-7035	Transparent Yellow
PR-7036	Transparent Orange
PR-7037	Transparent Green

Thinners/Modifiers

PR-7001	Screening Thinner
PR-7010	Cleaning Thinner
PR-7011	Retarder
PR-7021	Flow Promoter

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging

Inks and solvents in gallons only.



Candoc PR Series

A DURABLE GLOSS INK FOR ALL UNCOATED POLYESTER

MYLAR INK

PR Series polyester inks provide durable indestructible adhesion to uncoated polyester. When heat and pressure are applied, PR Series inks emboss, offering a high degree of flexibility and color permanence. This fast drying ink series prints sharply and flows uniformly. Excellent for vacuum forming and die-cutting, PR Series inks dry to a medium gloss finish.



SPECIFICATIONS

USES: For use on uncoated polyester plastics.

FINISH: Dries to a medium-gloss finish.

OPACITY: Opaque and transparent colors are offered in this specialized series. The user can mix all colors to obtain desired color depth and opacity.

COVERAGE: Averages about 1,200 sq. ft. per gallon.

DRYING TIME: Approximately 1 to 2 hours on ventilated racks, or 1 to 2 minutes at 135°F.

SCREEN FABRIC: Use a 265-305 monofilament fabric.

SCREEN COATING, FILM, BLOCKOUT: Use water soluble hand-cut and photo screens and blockouts with this ink.

MODIFIERS: Thin with PR-501 Screening Thinner. Use PR-521 as a Bronzing Vehicle.

FLOW AGENT: Use PR-520 Flow Promoter

RETARDER: Use PR-511 Retarder.

ADHESION: Excellent on recommended substrates.

WASHUP: Use PR-510 Cleaning Thinner or biodegradable washes 2500 or 2510 screen wash gel.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- High gloss
- Single pot system
- Hard, durable finish
- Heat and chemical resistance
- Short baking schedules

Opaque Colors

EP-353	Black
EP-351	White
EP-352	High Cover White
EP-309	Primrose Yellow
EP-392	Lemon Yellow*
EP-354	Medium Yellow*
EP-314	Orange*
EP-390	Emerald Green*
EP-312	Medium Green
EP-325	Perma Green
EP-328	Brill. Perma Blue
EP-307	Navy Blue
EP-308	Ultra Blue
EP-391	Light Blue
EP-313	Fire Red*
EP-322	Flag Red*
EP-323	Deep Red
EP-319	Maroon
EP-315	Light Brown
EP-395	Dark Brown
EP-305	Mixing Clear

Transparent Colors

EP-329	Trans. Yellow G
EP-330	Trans. Blue
EP-331	Trans. Yellow
EP-332	Trans. Orange
EP-333	Trans. Red
EP-334	Trans. Violet
EP-338	Trans. Red B
EP-340	Trans. Green

Metallic Colors

EP-335	Rich Pale Gold
EP-339	Bright Silver

Special Clears

EP-301	Topcoat for Colors
EP-304	Topcoat for White
EP-306	Primer

Solvents

EP-360	Thinner
EP-321	Retarder
EP-350	Catalyst
EP-320	Flow Agent
SYS-1925	Washup

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

*Contains lead or chromate pigments

Candoc EP Series

EPOXY BAKING INK

A HIGH-GLOSS, TOUGH, CHEMICAL-RESISTANT, EPOXY INK

The EP Series ink was formulated for name plates, and for the decorative printing of appliance and industrial machine panels, automotive parts, jewelry, and cooking utensils. It is a high-gloss ink with a hard and durable finish. The EP Series ink is a single pot system and has short baking schedules. Will not air dry.



SPECIFICATIONS

USES: For use on most ferrous and non-ferrous metals, glass, ceramics, phenolic resin parts and most other thermo-set plastics.

FINISH: Dries to a high gloss finish.

OPACITY: Excellent opacity for most colors.

COVERAGE: Averages about 1200-1500 sq. ft. per gallon.

DRYING TIME: EP Series dries by chemical cross-linking at specific temperatures. The printed surface will "dry to touch" by solvent evaporation, but curing will not be achieved without baking at the required temperature for a set time. e.g. 15 minutes at 300°F, 8 minutes 350°F, 4 minutes at 400°F. Minimum temperature 325°F. Under curing will adversely effect adhesion, flexibility and chemical resistance.

SCREEN FABRIC: Use 260 to 355 monofilament.

SCREEN COATING, FILM, BLOCKOUT: Direct and indirect photostencils, and water-adhering knife-cut films are suitable.

MODIFIERS: Thin with EP-360.

FLOW AGENT: EP-320. (1-2%)

RETARDER: Under hot and dry conditions, use EP-321.(5-10%)

SPECIAL PRIMERS & TOPCOATS:

EP-301 Topcoat: For use over colors. Enhances chemical and abrasion resistance; approved for use in appliances.

EP-304 Topcoat: For use over white. Improves outdoor performance.

EP-305 Primer: For formed parts, improves flexibility of subsequent colors.

WASHUP: Use SYS-1925, or biodegradable washes 2500 or 2510 screen wash gel.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- 2 part system
- Air or bake
- Excellent opacity
- Excellent screenability

Opaque Colors

PP-91-502	Super White
PP-91-505	Primrose Yellow
PP-91-510	Medium Yellow
PP-91-515	Yellow Gold
PP-91-520	Orange
PP-91-585	Bright Green
PP-91-590	Deep Green
PP-91-570	Deep Blue
PP-91-475	Peacock Blue
PP-91-530	Fire Red
PP-91-535	American Red
PP-91-540	Deep Red
PP-91-555	Purple
PP-91-595	Brown
PP-91-592	Opaque Black

Transparent Colors

PP-91-500	Yellow
PP-91-580	Green
PP-91-560	Process Blue
PP-91-565	Reflex Blue
PP-91-525	Warm Red
PP-91-545	Rubine
PP-91-550	Rhodamine

Specialty Colors

PP-91-600	Fluorescent Pink
PP-91-601	Fluorescent Cerise
PP-91-602	Fluorescent Flame Red
PP-91-603	Fluorescent Orange
PP-91-604	Flour. Gold Yellow
PP-91-605	Fluorescent Yellow
PP-91-606	Fluorescent Blue
PP-91-607	Fluorescent Green
PP-91-608	Fluorescent Magenta
PP-91-609	Flour. Red Orange
PP-91-610	Fluorescent Violet

Modifiers

PP-91-815	Metallic Base
PP-91-825	Clear Extender
PP-91-820	Halftone Base
PT-83	Flattening Powder
PP-91-999	Catalyst
PP-91-999A	Metallic Catalyst

Packaging:

Inks and Solvents in quarts and gallons and 5 gallon containers.

*Contains lead or chromate pigments.

COLOR FX

Series PP-91

EPOXY AIR-DRYING INK

TWO PART AIR-DRY SYSTEM

PP-91 Ink Series is a 2-part epoxy ink system. Once these inks are air dried (or baked) a high gloss, opaque finish results. All PP-91 Series inks have excellent flexibility and adhere to a wide range of products. Outstanding solvent, chemical and abrasion resistance is assured with this high quality epoxy ink line.



SPECIFICATIONS

USES: For use on metals, ceramic tiles, glass, phenolics, rigid plastics, and polyethylene.

FINISH: Dries to a high gloss finish.

OPACITY: Excellent opacity; transparent colors are also available.

COVERAGE: Averages about 1,000 sq. ft. per gallon.

DRYING TIME: Approximately 30 to 60 minutes at room temperature. This series can be forced dried 3 to 5 minutes at a minimum of 150° to 180° F. For best chemical resistance bake for 7 minutes at 350° to 370°

MIXING INSTRUCTIONS: PP-91-999 Catalyst is required with PP-91 Series ink and must be ordered separately. An 8 oz. container of catalyst is normally used with a quart of ink, and a quart container of catalyst is normally used with a gallon of ink. Add 1 part Catalyst to 4 parts ink. Catalyst pot life is normally 4-6 hours; shorter at elevated temperature. Baking will produce hard, unscratchable prints. For Metallic colors use PP-91-999A Curing Agent

SCREEN FABRIC: Use a 200-305 monofilament fabric.

SCREEN COATING, FILM, BLOCKOUT: Use water soluble hand-cut and photo screens and blockouts with this ink.

MODIFIERS: Use SYS-1976 for fast thinner or PP-91-805 for reduction. To extend add PP-91-825. To subdue the gloss finish mix PT-83 Flattening Powder.

RETARDER: Under hot and dry conditions, use T-980 or PP-91-810.

ADHESION: Excellent on most substrates.

WASHUP: Use SYS-1925 Washup or biodegradable washes 2500 or 2510 screen wash gel.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features

- Air cure
- High gloss
- Adhesion to a wide substrate range
- Chemical resistance
- Cure time may be reduced by baking

Standard Colors

ET-6053	Black
ET-6051	White
ET-6052	High Cover White
ET-6009	Primrose Yellow*
ET-6092	Lemon Yellow*
ET-6054	Medium Yellow*
ET-6014	Orange*
ET-6090	Emerald Green*
ET-6012	Medium Green
ET-6025	Perma Green*
ET-6091	Light Blue
ET-6028	Brill. Perma Blue
ET-6007	Navy Blue
ET-6008	Ultra Blue
ET-6013	Fire Red*
ET-6022	Flag Red*
ET-6023	Deep Red*
ET-6019	Maroon
ET-6005	Mixing Clear
ET-6002	Metallic Clear

Metallic Colors

ET-6037	Rich Gold
ET-6038	Silver
ET-6039	Brite Silver
ET-6040	Pale Gold
ET-6041	Copper

Transparent Colors

ET-6030	Trans. Blue
ET-6031	Trans. Yellow
ET-6032	Trans. Orange
ET-6033	Trans. Red
ET-6034	Trans. Violet
ET-6036	Trans. Magenta
ET-6035	Trans. Green
ET-6035	Trans. Green

Solvents

ET-6060	Thinner
ET-6021	Retarder
ET-6020	Flow Agent
SYS-1925	Washup

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Additives

ET-6055	Catalyst
ET-E06	Metallic Catalyst

*Contains lead or chromate pigments

Candoc ET Series

EPOXY AIR-DRYING INK

A TWO-PART, HIGH GLOSS EPOXY INK WITH EXCELLENT ADHESION

The ET Series was formulated as a two-part, high gloss epoxy ink to cure at an ambient temperature and give excellent adhesion to a wide variety of difficult substrates. The ET Series is recommended primarily for all indoor application, but short term, outdoor use is possible, especially if the ink is protected from the weather.



SPECIFICATIONS

USES: For use on most ferrous and non-ferrous metals, glass, ceramics, treated polyethylene, phenolic resin parts and most other thermo-set plastics.

FINISH: Dries to a high gloss finish.

OPACITY: Excellent opacity for most colors.

COVERAGE: Averages about 800-1200 sq. ft. per gallon.

DRYING TIME: By the addition of the catalyst, the resins 'cross link' to produce a cured film. These inks will air dry in four to six hours at room temperature. These inks can be baked at a wide range of temperatures. Elevated temperatures will enhance the toughness of the film and increase the chemical resistance through more complete reaction with the catalyst, for example:

15 minutes @ 180°F	7 minutes @ 300°F
10 minutes @ 250°F	4 minutes @ 350°F

MIXING INSTRUCTIONS: Catalyze in the ratio of five parts of color to one part of catalyst ET-6055 by volume. Catalyze enough for four to eight hours of printing at a time. Allow an induction period of one half hour before adjusting viscosity for printing. Catalyst ET-E06 must be used when metallic powders are used. For simulated etch, mix 7 to 1.

SCREEN FABRIC: Use a 195 to 305 monofilament

SCREEN COATING, FILM, BLOCKOUT: Direct and indirect photostencils, and water-adhering knife-cut films are suitable.

MODIFIERS: Thin with ET-6060.

FLOW AGENT: ET-6020

RETARDER: Under hot and dry conditions, use ET-6021.

ADHESION: Excellent on most substrates.

WASHUP: Use SYS-1925, or biodegradable washes 2500 or 2510 screen wash gel.

ALWAYS TEST PRINT BEFORE PRODUCTION

Packaging: Available in Quarts & Gallons

MIXING POWDERS

Bronze & Metallic Powders

PB-60B	Pale Gold
PB-61B	Rich Gold
PB-62B	Copper
PB-63B	Aluminum Powder
PB-65A	Executive Pale Gold
PB-66B	Rich Pale Gold
PB-67A	Karat (Deep) Gold
PB-68A	Executive Rich Gold
PB-71C	Pale Gold
PB-73B	Lemon Gold
PB-74B	Orange Gold
PB-75C	Aluminum Powder
PB-77A	Aluminum Powder

Resisto Baking Powders

PB-80P	Pale Gold
PB-80R	Rich Gold
PB-80RP	Rich Pale Gold

Fluorescent Pigments

FP-200	Chartreuse
FP-201	Golden Yellow
FP-202	Orange
FP-203	Mint Green
FP-204	Brilliant Blue
FP-205	Tangerine
FP-206	Flame Red
FP-207	Shocking Pink
FP-208	Cerise
FP-209	Magenta

Phosphorescent Pigments

PH-PP-30 Phosphorescent Pigment

Packaged in 1 lb. containers.

Screenable Adhesives

5061A	Pressure Sensitive
8950	Water Soluble

packaged in gallon & 5 gallon containers

METALLIC POWDERS

To prepare a Metallic ink of proper printing consistency it is necessary to determine which clear base to use (this depends upon the substrate to be printed). Mix the metallic powder with the recommended thinner until a heavy paste is obtained. Add the clear base and mix well. Use approximately 3 lbs. of copper or gold to a gallon of base, or approximately 1 lb of aluminum to 1 gallon of appropriate clear base. Use monofilament fabric from 180 to 230 mesh for best results. For baking 200°F - 400°F, use Resisto powders.

METALLIC POWDER	SCREEN	MONOFILAMENT SCREEN
A (10 micron)	extra fine	220-230 mesh
B (15 micron)	fine	180-200 mesh
C (30 micron)	coarse	160-180 mesh

FLUORESCENT PIGMENTS

The FP Series consists of finely ground (5-20 micron) powdered fluorescent pigments for dusting, plastic impregnating and for mixing into select clear vehicles for inks and coatings. FP Series fluorescent pigments enhance color brightness. Colors will glow both in daylight and under ultraviolet light. Mixing proportions are dependent on the application. Generally, 2 1/2 to 4 lbs. FP pigment is mixed with one gallon 780 base. Note: Not recommended for prolonged outdoor use.

PHOSPHORESCENT PIGMENTS

Phosphorescent Pigments (Glow-in-Dark) produce unusual "glow-in-the-dark" effects. PP-30 is a light green pigment in the daylight with a green after glow; mix (5-7 lbs. per gallon) for example, with clear base. Refer to individual ink line pages for correct base for use. Coverages up to 300 square feet per gallon through a 140 monofilament or 6XX mesh. PP-30 is a compliance ink. Store pigments only in glass or polyethylene containers and use a glass or wood stirrer as metal affects the glow. (30 micron)

SCREENABLE ADHESIVES

PH-PP-30 Powder

5061A PRESSURE SENSITIVE ADHESIVE

For lamination of porous and non-porous substrates. Amber colored, pressure sensitive formulation with excellent screening characteristics. Superior peel and shear strength, highly resistant to creep under load. Great for paper, cloth, foam, plastics, and metals. Use 80 to 300 mesh. Tack of final film is directly related to thickness of deposit. Thins with mineral spirits. Jet dries (1 minute). Air dries in about an hour.

8950 WATER SOLUBLE ADHESIVE

Designed primarily for paper and cardboard, 8950 is reactivated after printing by moistening with water. Great for paper, cardboard, some coated stocks, Use 80 to 280 mesh. Screen stencil must be water resistant or water-proof. Wash up with water. Forced drying recommended.

Cudner Scratch Off

LG-5003 Black
 LG-5000 Silver
 LG-5004 White
 T-125 Thinner
 T-175 Washup

Inktech Scratch Off

SCO-0050 Gold
 SCO-0060 Extra Opaque Silver
 SCO-0030 Release Varnish
 SCO-0070 Hardener
 SCO-1820 Slow Thinner

Chemicals & Compounds

CM-X-3 Flattening Powder
 CM-34325 Universal Flat Paste

SYS-5100 Isopropyl Alcohol

Signature Patch Inks

SP-002 Acrylic White
 SP-003 Acrylic Clear
 SP-001 Acrylic Reducer
 SP-004 Vinyl White
 SP-005 Vinyl Clear
 SP-006 Vinyl Reducer

Blackboard Inks

BB-002 Black
 BB-003 Green
 BB-001 Reducer

Solvents

T-175 Xylol
 T-315 Toloul
 T-361 MEK
 T-375 Butyl Cellosolve
 T-988 Acetone

SCRATCH-OFF INK**SCRATCH-OFF INK**

Opaque scratch-off inks for over printing on printed images or coated stock for lottery tickets, games, sweepstakes, direct mail coupons, etc. A finger nail or coin easily removes the image if it has been applied over a suitable clear coating. Fast drying ink with a matte, metallic finish. 150 to 200 Mesh monofilament is recommended and coverage is about 800 to 1200 square feet per gallon. Allow 24 to 96 hours after test printing before evaluating.

CHEMICALS & COMPOUNDS**FLATTENING POWDER**

Exceptionally fine, inert powder used to flatten the gloss finish on most inks. Wet with appropriate ink solvent and mix to a paste consistency. Modest quantities will not effect ink qualities. Test before using. Sold by the pound.

SYS-5100 ISOPROPYL ALCOHOL

Speeds the drying of water soluble coatings and for wiping contaminated surfaces to assure an oil free printing surface. Available in quarts and gallons.

CREDIT CARD SIGNATURE INK

Used to print the signature panels on vinyl or acrylic credit cards, producing a destructible, non-erasable print.

BLACKBOARD INK

An ink that can simulate a chalk board in either black or green. Dries to a matte, slightly abrasives finish.

STANDARD SOLVENTS

Common solvents found in many screen shops.

Xylol
 Toloul
 MEK
 Butyl Cellosolve
 Acetone

Biodegradable Ink Degradants

Solvents for Machine or Hand Cleaning

2500 SCREEN CLEANER

Citrus Scent

Screen Systems 2500 is a safe, biodegradable solvent with a pleasant citrus scent for the cleaning of almost all inks from screens and tools. This is an improved version of our earlier product that completely dissolves inks, even if they have thoroughly dried in the screen. Removes solvent - based, UV, Plastisol inks, and uncured solder masks.

- Contains no chlorinated solvents or chelants and can be put down the drain in accordance with local regulations.
- Very low flammability
- Low toxicity
- Pleasant citrus odor

In its original form, Series 2500 Screen Cleaner is biodegradable, though users should be cautious when using inks containing hazardous pigments or plasticizers. This product is recommended for use in the Screen Systems Automatic Screen Washer.

SYS-2500-Q	Qt.	SYS-2500-15G	15 Gal.
SYS-2500-G	Gal.	SYS-2500-55G	55 Gal.
SYS-2500-5G	5 Gal.		

2550 SCREEN CLEANER

Low Odor

Screen Systems 2550 is identical to 2500 without the citrus odor. Recommended for use in the Screen Systems Automatic Screen Washer where citrus odor undesirable. Biodegradable, water soluble.

SYS-2550-Q	Qt.	SYS-2550-15G	15 Gal.
SYS-2550-G	Gal.	SYS-2550-55G	55 Gal.
SYS-2550-5G	5 Gal.		

2650 PREMIUM

SCREEN CLEANER Low Odor

A premium wash made for removing difficult inks. Designed for removing membrane switch, reflective, and other inks. Can be used as a general purpose ink degradant. Completely water soluble and easily removed with a water rinse. Removes inks that are usually very difficult inks to remove. Always test before using. This wash is recommended for use in Screen Systems standard Recycling Systems. Biodegradable, water soluble.

SYS-2650-G	Gal.	SYS-2650-15G	15 Gal.
SYS-2650-5G	5 Gal.	SYS-2650-55G	55 Gal.

Solvents for Hand Cleaning

2510 SCREEN WASH GEL

Citrus Scent

Screen Systems 2510 is the same as 2500 except that it is in gel form. This enables hand application to screens with no dripping or running, minimizing waste. Ideal for large screens. Also biodegradable and water soluble with a pleasant citrus smell.

SYS-2510-Q	Qt.	SYS-2510-5G	5 Gal.
SYS-2510-G	Gal.		



Press Wash

2100 PRESS WASH

A fast evaporating, biodegradable solvent for cleaning at the press. Allows for quick touch up of image spread, ghost images as well as spills and other problems. Not designed for use in Screen Systems recycling system. Biodegradable

SYS-2100-Q	Qt.	SYS-2100-15G	15 Gal.
SYS-2100-G	Gal.	SYS-2100-55G	55 Gal.
SYS-2100-5G	5 Gal.		

2110 CITRUS PRESS WASH

Screen Systems 2110 was developed to provide a low cost replacement for our popular 2100 Press Wash. 2110 is a close second in its cleaning abilities while still exhibiting a low odor. For plastisols and most solvent based inks.

SYS-2110-Q	Qt.	SYS-2110-15G	15 Gal.
SYS-2110-G	Gal.	SYS-2110-55G	55 Gal.
SYS-2110-5G	5 Gal.		

2120 ECONOMY PRESS WASH

A fast evaporating, biodegradable solvent for cleaning at the press. Allows for quick touch up of image spread and ghost images as well as spills and other problems. Not designed for use in Screen Systems recycling system. Excellent for UV inks, plastisols and most solvent based inks. Has a pleasant scent.

SYS-2120-Q	Qt.	SYS-2120-15G	15 Gal.
SYS-2120-G	Gal.	SYS-2120-55G	55 Gal.
SYS-2120-5G	5 Gal.		

2130 PRESS WASH

A fast evaporating, biodegradable solvent for cleaning at the press. Allows for quick touch up of image spread and ghost images as well as spills and other problems. Not designed for use in Screen Systems recycling system. Excellent for UV inks, plastisols and most solvent based inks. Has a pleasant scent.

SYS-2130-Q	Qt.	SYS-2130-15G	15 Gal.
SYS-2130-G	Gal.	SYS-2130-55G	55 Gal.
SYS-2130-5G	5 Gal.		