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

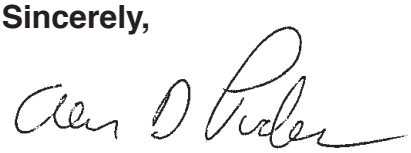
WELCOME!

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

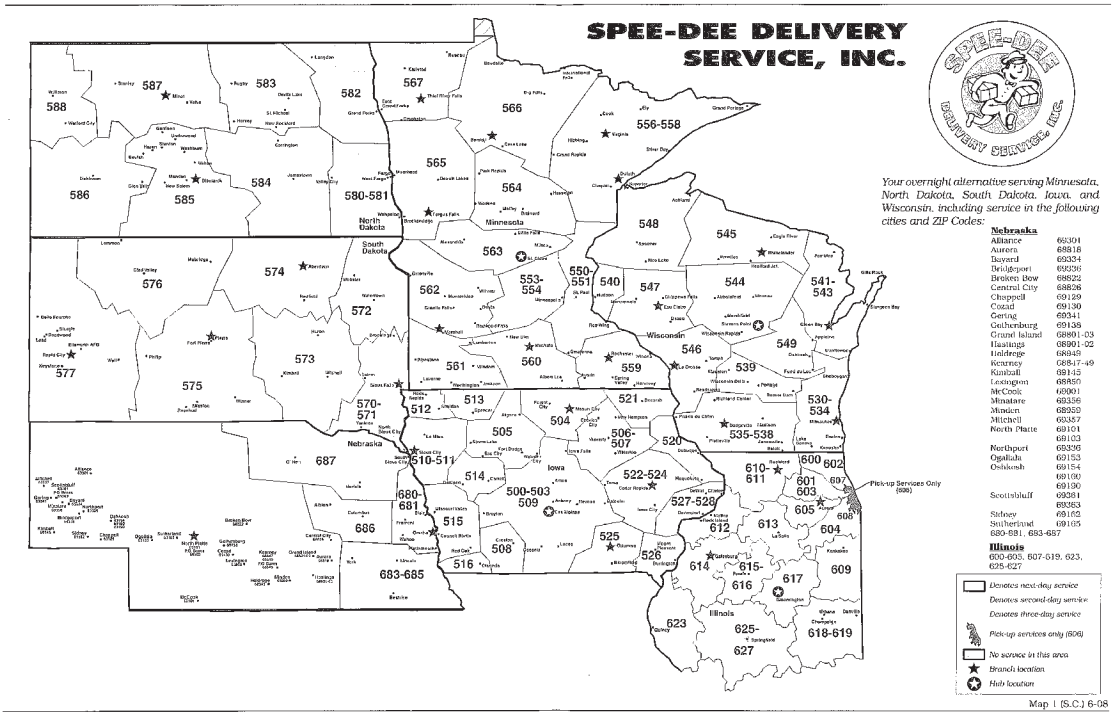
This reference guide lists zip codes served by UPS ground service from your shipping location. Simply look up the full five digit ZIP Code. If the ZIP Code is shown, UPS will deliver the package on the next business day. If the ZIP Code is not shown, please refer to the map of the United States, to determine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

STATE	ZIP CODES SERVED NEXT-DAY
Iowa	**500**01, 02, 09, 15, 21, 28, 32, 35, 47, 53, 54, 61, 63, 69, 73 **501**09, 11, 18, 25, 31, 38, 45, 60, 66, 68-70 **502**08, 11, 14, 25, 26, 28, 32, 37, 61, 63, 65 **503**01-**504**99 **505**10-15, 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 **506**03, 05, 11, 16, 20, 25, 28, 33, 36, 40, 45, 53,59 **510**02, 05, 09, 12, 14, 22, 29, 33, 35, 37, 46, 47, 58 **512**01, 31, 32, 36, 38, 45, 48, 49 **513**01-99 **521**01-99 **559**53
Minnesota All	
North Dakota	**580**01-71, 73-99 **581**01-99 **582**01-09, 12-25, 27-31, 33-38, 40, 41, 43-47, 49-53, 56-58, 61, 62, 64-68, 70, 71, 73-82
South Dakota	**570**03, 15, 12-16, 18-22, 27, 30, 32-36, 39, 43, 47, 48, 53, 55, 56, 60, 64, 68, 70, 76, 77 **571**01-18

Wisconsin	**540**01-99 **541**28, 38, 50, 75 **544**01-99 **545**01-26, 29-31, 37-42, 48, 52-56, 58, 60-64, 66, 68 **546**01-25, 27, 29, 30, 32-51, 53, 56, 58--72 **547**01-99 **548**01, 05, 10-13, 17-38, 40-45, 47-49, 53, 54, 58-89, 93-96 **549**09, 21, 28, 30, 43, 45, 46, 48, 50, 60, 62, 65, 66, 70, 77, 78, 81, 82, 84

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



TEXTILE INK USE CHART

	Cotton	Cotton/Poly	Transfer/Cold Peel	Transfer/Hot Peel	Denim	Fleece	Pennants	Nylon, Woven	Nylon Mesh	Spandex/Lycra	Athletic Jerseys	Dark Colors	Light Colors
PLUS - Ultrasoft Plastisol	•	•	•	•	•	•	•	x					•
MIXO - Mixopaque	•	•		•	•	•	•	x			•	•	•
MACH - Unimatch	•	•			•	•	•	x			•	•	•
AUTO - Autoline	•	•	•	•	•	•	•	x					•
PATH Athletic	•	•				•		x	•	•	•	•	•
PADM Maxopaque	•	•			•	•	•	x				•	•
PRPL Tru Tone Matching	•	•	•	•	•	•	•						•
PLUM Matching	•	•			•	•	•						•
3DSQ High Density	•	•			•							•	•
PAGL-M Shimmer	•	•					•					•	•
PAGL-S & J Glitter	•	•	•		•	•						•	•
PLSE Suede	•	•			•	•						•	•
REFL Reflective	•	•			•								•
PLPF Plastipuff	•	•			•	•	•					•	•
Pavoclear	•	•			•	•	•						•
Pavopaque	•	•			•	•	•					•	
Nylopaque								•				•	•
Nylo Reflect								•				•	•
NYLN Nylon								•				•	•
Discharge*	#						#					#	#

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 PLHT Series

HIGH-OPAQUE LOW-BLEED WHITE INKS

DIAMOND BRIGHT WHITE is 3

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. Lightning 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. Prints remain smooth when cured at higher temperatures. Excellent opacity on dark garments.

SCREEN FABRIC FOR WHITES: Use 125-230 monofilament polyester depending on material being printed. May be used as an under base through 230 mesh.

ADDITIVES: Use Viscosity Reducer (PLUS-9000) or Flow Promoter (Mixo-9020) in small amounts to reduce viscosity. Never use more than 1.5% Flow Promoter. Viscosity Reducer may be added in larger amounts, but both will reduce opacity. Always stir the ink well before adding any reducer.

WASHUP: SYS 1925 lacquer thinner or biodegradable washes 2500 or 2510 screen wash gel.

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

UPLHT-1070	Diamond Bright White
UPLHT-1075	Bright White

Union PAFC Series

FLASH CURE WHITE INKS

Flash cure whites are formulated as a white undercoat to provide opacity on garments that are to be subsequently overprinted with other plastisol colors. A tack free surface can be obtained in as little as 4 seconds depending on ink deposit and position of heat panel above the print. Flash Cure White is formulated to minimize the dye migration from polyester blend fabrics into inks. Use meshes from 86-110T. These inks are ready for use and reducing is not recommended. Clean up with SYS-1925 or SYS-2500 Biodegradable wash.

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

UPAFC-1050	Low -Bleed White
UPAFC-9090	Clear Base

Union PATH 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.

UPATH-1000	White
UPATH-1050	Low Bleed White

Union PADM Series

MAXOPAKE WHITE INKS

MAXOPAKE 1020 is a highly opaque white plastisol. MAXOPAKE 1027 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.

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

UPADM-1020	White
UPADM-1027	Finest 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.

UPADM-1062	EZ Print White

Union MIXO 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.

UMIXO-1000	Super White
UMIXO-1055	Low Bleed White

WHITE AND BLACK PLASTISOLS

Union POLY Series

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. Premium Low-Bleed POLY-1070 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.

POLY-1050	Polyester White
POLY-1070	Premium polyester White

Excalibur

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

525 Competition White

Competition White has been designed as a high performance white at a highly competitive price. Competition white is very smooth and creamy;easy to print by hand or machine. This very opaque ink can be used as a first down white as well as a highlight white. It beats the competition. Available in Quarts, Gallons, 5-Gallons, and 50 Gal. Drums

L525	Competition 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 260˚F for 3-1/2 minutes.Available in Quarts, Gallons, 5-Gallons, and 55 Gal.

L400WH	Super Elongation 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

585 Absolute White

EXTREME OPACITY - HIGH VISCOSITY

Lancer's most opaque plastisol, 585 Absolute White is also a very bright white. The high viscosity allows the ink to sit on top of the fabric, and is ideal for automatic press production. Suitable for 100% cotton, and some 50/50 fabrics. Available in Quarts, Gallons, 5-Gallons, and 55 Gal. Drums

L585	Absolute White

595 High Opacity White

EXTREME OPACITY - HIGH VISCOSITY

Lancer's 595 High Opacity White has a high viscosity that allows the ink to sit on top of the fabric, and is ideal for automatic press production. Suitable for 100% cotton, and some 50/50 fabrics. Available in Quarts, Gallons, 5-Gallons, and 55 Gal. Drums

L595	High Opacity Bright White

4581 Evolution Optical White

PVC FREE - PHTHALATE FREE

Evolution offers a very soft hand, and very good opacity on top of being PVC and Phthalate free. It will cure as low as 270˚ F, and can be printed with mesh from 60 to 160. Any phthalate free emulsion can be used. Available in Quarts, Gallons, 5-Gallons, and 55 Gal. Drums

L4581	Evolution White

5050 High Opacity White

EXTREME OPACITY - VERY ECONOMIC

Lancer's 5050 High Opacity White has a high viscosity that is ideal for automatic press production of 50/50 shirt that have a tendency to bleed. Very soft hand and is suitable for underbasing. Available in Quarts, Gallons, 5-Gallons, and 55 Gal. Drums

L5050	High Opacity Bright White

505 Soft Black

A softer, blacker black that is ideal for automatic press printing. Specially designed for 100% cotton or 50/50 polyester blends.

L505BK	Soft Black

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 underbase 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.

Union AUTO Series

AUTOLINE PLASTISOL WHITE INKS

Autoline Plastisol Whites are state of the art inks, designed to produce high quality prints on high speed automatic presses. Its excellent release properties yield strong color values even when using minimal squeegee pressures. The ink penetrates well and does not build up on the back of succeeding screens. Auto inks are normally printed wet on wet but can be printed over flash cured white or clear underbase on dark fabrics.

When printing on dark, 100% cotton, a white underbase is necessary. Union's Flash Cure White (UPAFC-1020) and Auto-Match Mixing White (UAUTO-1000) are both excellent choices. Plasticharge White is also a good selection if the fabric is dischargable.

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

UAUTO-1000	Mixing White
UAUTO-1020	White

Union PADX Black

ECONOTEX BLACK INK

This economy black ink is sold only in 5 gallon pails

UPADX-8000	Economy Black

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.

UNST-1000	White
UNST-9160	Clear

500 Series Black

EXTREME OPACITY - SOFT HAND FINISH

Lancer's 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

505 Soft Black

505 is a softer black that is ideal for automatic printing. It is especially designed for 100% Cotton as well as 50/50 polyester blends. Soft Black is aggressively priced against competitive inks. Available in Quarts, Gallons, 5-Gallons, and 55 Gal. Drums

Features
- Prints have soft hand • Easy to print
- 56 Standard colors • Ready to use
- For direct or transfer printing

Opaque Colors

UPLUS-1000	White
UPLUS-1020	Super Opaque White
UPLUS-1035	Backup White
UPLUS-1500	Gray
UPLUS-1504	Flesh
UPLUS-2001	Primrose Yellow
UPLUS-2011	Lemon Yellow
UPLUS-2021	Chrome Yellow
UPLUS-2041	Golden Yellow
UPLUS-2051	Orange
UPLUS-2102	Khaki
UPLUS-3001	Vermillion Red
UPLUS-3006	Brite Red
UPLUS-3011	Scarlet Red
UPLUS-3015	Cardinal Red
UPLUS-3021	Low Crock Flag Red
UPLUS-3030	Maroon
UPLUS-3106	Fuchsia
UPLUS-3113	Cool Pink
UPLUS-4010	Magenta
UPLUS-4025	Deep Purple
UPLUS-4101	Lilac
UPLUS-4103	Rose Magenta
UPLUS-4104	Violet
UPLUS-5005	Brite Blue
UPLUS-5015	Columbia Blue
UPLUS-5020	Mono Blue
UPLUS-5030	Ultramarine
UPLUS-5035	Royal Blue
UPLUS-5040	Navy Blue
UPLUS-5048	Light Navy
UPLUS-5060	Aqua Marine
UPLUS-5085	Opaque Process Blue
UPLUS-5105	Turquoise
UPLUS-5107	Powder Blue
UPLUS-5108	Peacock Blue
UPLUS-6001	Tahiti Green
UPLUS-6006	Bright Green
UPLUS-6021	Dark Chrome Green
UPLUS-6091	Kelly Green
UPLUS-7001	Dark Brown
UPLUS-7031	Sienna Brown
UPLUS-8000	Black

Fluorescent Colors

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

Metallics

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

Modifiers

UPLUS-9090	Extender Base
UPLUS-9000	Reducer/Detackifier
UPLUS-9030	Clear Metallic Base
UPLUS-9114	Plastisol Thickener
UPADS-9095	Soft Hand Base

Union PLUS 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. PLUS inks can be used to produce either Ultrasoft or regular heat transfer, depending upon transfer methods used. PLUS 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: PLUS Series plastisol inks will not air dry. They must be heat cured. PLUS 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 UPLUS-9090 Extender Base to extend colors and add strength. Use UPLUS-9000 as a reducer or detackifier. For metallic and fluorescent powders use UPLUS-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

Opaque Colors

L500AQ	Aqua
L500BK	Black
L500BO	Bright Orange
L500BR	Bright Royal
L500BS	Bright Scarlet
L500CR	Candy Red
L500CRM	Crimson
L500DB	Dark Brown
L500FG	Forest Green
L500FL	Flesh
L500HG	Hunter Green
L500KG	Kelly Green
L500LR	Light Royal
L500LY	Lemon Yellow
L500MA	Maroon
L500NB	Navy Blue
L500OG	Old Gold
L500PU	Purple
L500RB	Royal Blue
L500REB	Reflex Blue
L500RH	Rhodamine Red
L500RU	Rubine Red
L500SC	Scarlet Red
L500SG	Silver Grey
L500STG	Steel Grey
L500TB	True Blue
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

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 PCPFLR	Fluorescent Red
L PCPFLY	Fluorescent Yellow
L PCPFLB	Fluorescent Blue
L PCPFLM	Fluorescent Magenta
L PCPFLP	Fluorescent Pink
L PCPFLV	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.

Excalibur 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

Union MACH Series

UNIMATCH PANTONE® PLASTISOL INKS

Features
- Vibrant color matching on white, light colored fabrics, or underbase 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

UMACH-KIT	Starter Kit

All Purpose Colors - No Lead

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

Neon Colors

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

Modifiers

UMACH-9070	Soft Hand Extender

Solvents

SYS-1925	Washup
UPLUS-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.

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 (underbase 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 underbase. 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 UPLHT-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 UPLHT-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 MACH-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 UPLUS-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

Union MIXO Series

MIXOPAKE PANTONE® PLASTISOL INKS

High-speed, high-opacity plastisol for printing Pantone® Colors on fabrics of any color! The MIXO Series allows the printer to mix color in the Pantone®. Matching System. This is the most universally known color matching system. MIXO 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. MIXO 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).

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

UMIXO-KIT	Starter Kit

All Purpose Colors - No Lead

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

Low Bleed Colors

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

Neon Colors

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

Modifiers

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

Solvents

T-125	Washup
UPLUS-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

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 MIXO-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 UPLUS-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
- Excellent coverage
- No build-up on backs of screens
- Smooth, fast release from screens
- Increased printing speed
- Very soft hand
- Pantone® matching system

Matching Colors

UAUTO-1000	Mixing White
UAUTO-2002	Yellow (Grn Shade)
UAUTO-2042	Yellow (Red Shade)
UAUTO-3002	Red (Yellow Shade)
UAUTO-3007	Red (Blue Shade)
UAUTO-4001	Magenta
UAUTO-4002	Violet
UAUTO-5001	Blue (Green Shade)
UAUTO-5003	Blue (Red Shade)
UAUTO-8001	Mixing Black
UAUTO-F313	Neon Cerise
UAUTO-F611	Neon Traffic Green

Modifiers

UAUTO-9090	Extender Base
UAUTO-9091	Opaque Extender Base
UPLUS-9000	Reducer/Detackifier
UPLUS-9090	Extender 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, 5-gallon pails and 55-gallon drums.

Union AUTO Series

AUTOLINE PLASTISOL

MEDIUM OPACITY INK FOR HIGH SPEED AUTOMATIC PRINTING

Autoline Plastisols are state of the art inks, designed to produce high quality prints on high speed automatic presses. Its excellent release properties yield strong color values even when using minimal squeegee pressures. The ink penetrates well and does not build up on the back of succeeding screens. Auto inks are normally printed wet on wet but can be printed over flash cured white or clear underbase on dark fabrics.

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).

MATCHING: Auto-Match inks are Pantone® licensed color matching inks based on Union Ink's state-of-the-art Autoline formulations. They are unsurpassed for fast, easy, and accurate simulations of Pantone® colors. This extremely simple to use system requires only the twelve Auto-Match colors and one base to simulate all the Pantone® "C" (coated) colors on white or light colored fabrics. Free Auto-Match PC and Macintosh™ software is available.

FINISH: Cures to a soft-hand finish.

OPACITY: Semi-opaque, excellent on light and medium colored shirts.

DRYING TIME: AUTO Series plastisol inks will not air dry. They must be heat cured. AUTO 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.

SCREEN FABRIC: Use 86-305 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 UAUTO-9090 Extender Base or UPADS-9050 Soft Hand Base to extend colors and add strength. Use UPLUS-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
- Sporting goods colors
- Athletic uniforms •Nylon mesh jerseys
- Stretchy material •Lycra & Spandex
- Bicycle racing jerseys • High gloss
- Extremely durable • Very opaque

Colors

UPATH-1000	White
UPATH-1050	Low Bleed White
UPATH-1500	Gray
UPATH-1508	SG Blue Gray
UPATH-2010	Lemon Yellow
UPATH-2015	Michigan Yellow
UPATH-2040	Golden Yellow
UPATH-2042	SG Gold
UPATH-2045	Blazer Gold
UPATH-2046	Rebel Gold
UPATH-2050	Orange
UPATH-2052	SG Burnt Orange
UPATH-2054	SG Light Orange
UPATH-2056	SG Texas Orange
UPATH-3000	Vermillion Red
UPATH-3010	Scarlet Red
UPATH-3014	SG Scarlet Red
UPATH-3015	Cardinal Red
UPATH-3021	Lo Crock Flag Red
UPATH-3030	Maroon
UPATH-4010	Magenta
UPATH-4020	Deep Purple
UPATH-5002	SG Aqua
UPATH-5012	SG Columbia Blue
UPATH-5032	SG Royal Blue
UPATH-5036	Royal Blue
UPATH-5044	S.G. Navy Blue
UPATH-6020	Chrome Green
UPATH-6090	SG Kelly Green
UPATH-7000	Dark Brown
UPATH-8000	Black

Metallic Colors

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

Fluorescent Colors

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

Modifiers

UPATH-9030	Metallic Base
UPATH-9090	Extender Base
UPLUS-9000	Reduce
T-125	Washup

Biodegradable Wash-Up

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

Available in Qt. Gal, 5 Gal., and 55 Gal. Containers

Union PATH Series

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: PATH Series plastisol inks will not air dry. They must be heat cured. PATH 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: PATH 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 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
- 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
L1550BB	Bright Blue
L1550BG	Bright Dallas Green
L1500BK	Black
L1550BR	Bright Red
L1550FG	Fresh Green
L1550FU	Fuschia
L1550GO	Gold
L1550LB	Light Blue
L1550LG	Light Gold
L1550LY	Lemon Yellow
L1550OR	Orange
L1550SR	Super Red
L1550RO	Super Royal
L1550TU	Turquoise
L1550VI	Violet

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

MODIFIERS

L1501	Reducer
L1504	Mixing Base

TRANSFER POWDER

L-H1	Transfer Powder
L-C57	Transfer Powder (sold by the pound)

Biodegradable Wash-Up

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

Available in Quarts, Gallons, 5 Gallon,

SPORTPRO 1550 SERIES ATHLETIC INKS

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

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˚ 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˚ 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

Opaque Colors

UPADM-1001	Basic White
UPADM-1020	White
UPADM-1027	Bright Cotton White
UPADM-1030	Prem Bright Cotton Wht.
UPADM-1062	EZ Print White
UPADM-2010	Lemon Yellow
UPADM-2020	Chrome Yellow
UPADM-2044	Golden Yellow
UPADM-2064	Orange
UPADM-3006	Bright Red
UPADM-3010	Scarlet Red
UPADM-3020	Flag Red
UPADM-3021	Lo Crock Flag Red
UPADM-4014	Magenta
UPADM-5008	Bright Blue
UPADM-5036	Royal Blue
UPADM-5060	Aqua Marine
UPADM-5085	Opaque Process Blue
UPADM-6008	Bright Green
UPADM-6016	Lime Green
UPADM-6090	Kelly Green

Low Bleed Opaque Colors

UPADM-1057	Low Bleed White
UPADM-2048	Golden Yellow
UPADM-2060	Medium Yellow

Fluorescent Colors

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

Modifiers

UPLUS-9000	Reducer/Detackifier
UPLUS-9090	Extender 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.

Union PADM 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 PLUS-9090.

SPECIFICATIONS

USES: For use on cottons and cotton/polyester blends. PADM 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: PADM 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 UPLUS-9090 Extender Base to extend colors and add strength. Use UPLUS-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
- Direct Print 100% Polyester
- Athletic uniforms •Polyester Jerseys
- LOW BLEED • Nasty Bleed Uniforms
- High gloss
- Extremely durable • Very opaque

Colors

UPOLY-1050	Low Bleed White
UPOLY-1070	Prem Low Bleed White
UPOLY-1500	Gray
UPOLY-2015	Michigan Yellow
UPOLY-2040	Golden Yellow
UPOLY-2045	Blazer Gold
UPOLY-2046	Rebel Gold
UPOLY-2050	Burnt Orange
UPOLY-3010	True Red
UPOLY-3021	Lo Crock Flag Red
UPOLY-3030	Cardinal Red
UPOLY-5015	Collegiate Blue
UPOLY-5035	Royal Blue
UPOLY-5040	S.G. Navy Blue
UPOLY-6020	Kelly Green

Modifiers

UPLUS-9000	Reduce
T-125	Washup

Biodegradable Wash-Up

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

Available in Qt. Gal, 5 Gal., and 55 Gal. Containers

Union POLY Series

POLYESTER LOW-BLEED PLASTISOL

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 printing.

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: POLY Series plastisol inks will not air dry. They must be heat cured. POLY 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: POLY 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 POLY 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 UPLUS-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
- Ultra High opacity
- Direct printing Onto Dark Fabrics

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
L550VI	Violet
L550	Mixing Base

Fluorescent Colors

L550FB	Fluorescent Base
L550FLB	Fluorescent Blue
L550FLG	Fluorescent Green
L550FLM	Fluorescent Magenta
L550FLO	Fluorescent Orange
L550FLP	Fluorescent Pink
L550FLR	Fluorescent Red
L550FLY	Fluorescent Yellow

Modifiers

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

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

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 550 Series

HIGH OPACITY PLASTISOL INK

550 Series High opacity plastisol Inks are for direct printing onto dark colored fabrics. In most cases, no white underbase is required. A maximum of 120 mesh is recommended for maximum opacity.

SPECIFICATIONS

550 Series uses the same specifications as 500 Series

Excalibur Lancer 400 Series

SUPER ELONGATION PLASTISOL

An ink that will stretch and retract on materials such as spandex, lycra, neoprene, and sports uniforms. Available in a range of high opacity colors, 400 Series has a low curing temperature for heat sensitive fabrics.

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 cure at temperatures as low as 260° F for 3-1/2 minutes, or 280° F for 2-1/2 minutes. Higher temperatures will reduce curing time.

SCREEN FABRIC: Use 60-110 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

PRPL Standard Colors

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

PRPL Triple Strength Colors

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

Modifiers

UPRPL-9080	Halftone Base
PLUS-9000	Reducer

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

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 PRPL Tru-Tone & Lancer 600 Series

EASY COLOR MATCHING OVER LIGHT COLORED GARMENTS

The PRPL 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 PRPL inks in both PC and MAC format.

SPECIFICATIONS PRPL

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 PRPL-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

U3DSQ-KIT Starter Kit

Opaque Colors

U3DSQ-1000	White
U3DSQ-2002	Yellow Green Shade
U3DSQ-2042	Yellow Red Shade
U3DSQ-3002	Red Yellow Shade
U3DSQ-3007	Red Blue Shade
U3DSQ-4001	Magenta
U3DSQ-4002	Violet
U3DSQ-4003	Cerise
U3DSQ-5001	Blue Green Shade
U3DSQ-5003	Blue Red Shade
U3DSQ-6002	Green
U3DSQ-8000	Black
U3DSQ-9100	Clear

Modifiers

UPLUS-9000	Reducer/Detackifier
UPLUS-9090	Extender Base

835 Excalibur High Density

L835WH	White
L835BK	Black
L835LY	Lemon Yellow
L835LG	Light Gold
L835RE	Bright Red
L835LB	Light Blue
L835BB	Bright Blue
L835BG	Bright Green
L835VI	Violet
L835OR	Orange
L835GO	Gold
L838PF	Clear

Modifiers

L835MB	Mixing HD Base
L838MB	Super Clear 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 3DSQ & 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 (UPLUS-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

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

Holographic Glitters

UHALO-G120	Solar Silver
UHALO-G200	Luna Yellow
UHALO-G220	Quasar Gold
UHALO-G250	Galaxy Gold
UHALO-G270	Cosmic Copper
UHALO-G300	Radiant Red
UHALO-G330	Asteroid Red
UHALO-G400	Zenith Purple
UHALO-G500	Celestial Blue
UHALO-G530	Nova Blue
UHALO-G550	Comet Blue
UHALO-G600	Satellite Green
UHALO-G660	Gamma Green
UHALO-G800	Eclipse Black

Features
- Fantastic Colors
- Excellent Opacity

Colors

UPAGL-J120	Silver
UPAGL-J220	Pale Gold
UPAGL-J221	Dark Gold
UPAGL-J321	Brilliant Red
UPAGL-J522	Mono Blue
UPAGL-J624	Emerald Green
UPAGL-S120	Super Silver
UPAGL-S220	Super Pale Gold

Modifiers

UPLUS-9000	Reducer
UPAGL-9030	Glitter Clear

Biodegradable Wash-Up

SYS-2500	Screen Wash

Packaging
Available in quarts and gallons

Union PAGL-M 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 PAGL-J & PAGL-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
L750SLB	Stone Print Light Blue
L750SBG	Stone Print Bright Green
L750SBB	Stone Print Bright Blue
L750SBR	Stone Print Bright Red
L750SGO	Stone Print Gold
L750SLY	Stone Print Lemon Yel.
L750SLG	Stone Print Light Gold
L750SOR	Stone Print Orange
L750SVI	Stone Print Violet
L750SWH	Stone Print White
L750SMB	Stone Print Mixing Base

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.

Excalibur

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, Horographic 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

UPLSE-KIT Starter Kit

Suede Colors

UPLSE-1000	White
UPLSE-1500	Grey
UPLSE-2040	Golden Yellow
UPLSE-3010	Scarlet Red
UPLSE-5040	Navy
UPLSE-6020	Dark Chrome Green
UPLSE-7000	Dark Brown
UPLSE-7004	Tan
UPLSE-8000	Black

Additives

UPLSE-9090	Base

Washup

SYS-2500	Biodegradable Wash

REFL Features
- Bright Reflection
- Easy To Use - One Part Ink
- White, and Light Colored Garments
- Dark Fabrics With Discharge Underbase

Reflective Colors

UREFL-1500	Neutral Grey
UREFL-1504	Dark Grey
UREFL-2000	Yellow
UREFL-3000	Red
UREFL-4000	Purple
UREFL-5000	Blue
UREFL-6000	Green
UREFL-8000	Black

Additives

UPLUS-9000	Reducer
UPADS-9095	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. UPLSE-9090 base is intended to be used with toners to obtain additional colors.

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

Union REFL 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 that regular plastisol.

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

ADDITIVES & MIXING: Reflective materials settle and require mixing before use. Flash Back is supplied ready for use.

WASHABILITY: Limited washability. Some deterioration in reflective quality after each wash cycle. Do Not Dryclean

ALWAYS TEST PRINT BEFORE PRODUCTION

Features
- Ideal for rain treated nylon jackets!
- 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

L3585	Opaque White
L3500	Opaque Black
L3504	Base
L3550	High Opacity Base
L3550BB	Bright Blue
L3550BG	Bright Dallas Green
L3550BR	Bright Red
L3550GO	Gold
L3550LY	Lemon Yellow
L3550LB	Light Blue
L3550LG	Light Gold
L3550OR	Orange
L3550VI	Violet
L3550SR	Super Red
L3550FU	Fuschia
L3550RO	Super Royal
L3550TU	Turquoise
L3550FG	Fresh Green

ColorPro Colors - Color Match System

L3551BK	Black
L3551BGS	Blue (GS)
L3551BRS	Blue (RS)
L3551GR	Green
L3551MA	Magenta
L3551RBS	Red (BS)
L3551RYS	Red (YS)
L3551VI	Violet
L3551YGS	Yellow (GS)
L3551YRS	Yellow (RS)
L3551WH	White
L3551BA	Mixing Base

MODIFIERS

L3502	Reducer

TRANSFER POWDER

L-C57	Transfer Powder (sold by the pound)

Biodegradable Wash-Up

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

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

TRIUMPH®
SINGLE-STEP NYLON INKS

3500 SERIES NYLON INKS

SINGLE-STEP NYLON INKS

Triumph series represents a new generation of Plastisol Technology for direct and heat transfer printing onto nylon and high stretch fabrics. A **true Single Part System** no hazardous chemical bonding agents need to be added. Triumph Series contains no solvents and will not air dry causing inks to thicken or block the screen. Triumph inks are phthalate free and contain no heavy metals.

SPECIFICATIONS

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

FINISH: Cures to a soft-hand finish.

OPACITY: Excellent opacity.

DIRECT PRINTING: For woven mesh use 200 to 255 mesh, 200 mesh or higher is strongly recommended. Heavy ink deposits are not recommended and will weaken the bonding strength of the ink film. For Lycra or Spandex, use 80 to 160 mesh. Cure at 300 to 350°F. Curing should be tested to determine optimum belt speed and temperature. Prints must be fully cured for maximum bonding strength and stretch.

TRANSFERS: Transfert 75 paper or Transfilm clear is recommended. For woven mesh use 160 to 255 mesh, for Lycra Spandex, use 80 to 160 mesh. Print in the usual manner of a plastisol transfer, for increased durability use adhesive powder C57 over the entire transfer while wet, before curing through oven.Transfer presses should be set at medium pressure and tested for time and temperature before production.

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

MODIFIERS: 3502 (1-3%) 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
- Flat finish
- Low cure temperature
- Extremely durable
- Very opaque

Colors

UPLPF-1000	White
UPLPF-1052	Low-Bleed White
UPLPF-2000	Primrose Yellow
UPLPF-2042	Golden Yellow
UPLPF-2050	Orange
UPLPF-3010	Scarlet Red
UPLPF-5006	Brite Blue
UPLPF-5036	Royal Blue
UPLPF-5040	Navy Blue
UPLPF-6006	Brite Green
UPLPF-7000	Dark Brown
UPLPF-8000	Black

Modifiers

UPLUS-9000	Reducer
UPLPF-9090	Extender
UPLPF-9111	PUFF Additive
UPUFS-9111	Super PUFF Additive
T-125	Washup

Biodegradable Wash-Up

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

Union PLPF 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 the 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 PUFS-9111 additive at the rate of 1 part additive to 6 parts ink.

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

Colors

UTRPF-1000	White
UTRPF-2000	Primrose
UTRPF-2042	Golden Yellow
UTRPF-3010	Scarlet Red
UTRPF-5006	Brite Blue
UTRPF-5036	Royal Blue
UTRPF-6006	Brite Green
UTRPF-8000	Black

Modifiers

UPLUS-9000	Reducer
UTRPF-9090	Extender
T-125	Washup

Biodegradable Wash-Up

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

Union TRPF Series

TRANSPUFF PLASTISOL INK

SPECIFICATIONS

PRINTING: For printing puff transfers of similar features and specifications as shown above. Must be used with Soft Trans release paper and Ulon powder.
OPACITY: Excellent opacity on all fabrics.
DRYING TIME: TRPF Series plastisol inks have a very critical cure temperature between 180˚F and 200˚F. Too low a temperature means poor handling and too high means poor adhesion and uneven puff. Transfers require 375˚F for 5-10 seconds with 30-40 psi.
SCREEN FABRIC: Use 62 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 film work well.
MODIFIERS: TRPF 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.

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.

UNYBD-9120-4	Nylobond	4 oz.
UNYBD-9120-8	Nylobond	8 oz.
UNYBD-9120-P	Nylobond	Pint
UNYBD-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.

UMIXO-9070	Soft Hand Base
UPADS-9095	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 increases 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.

UPLUS-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.

UPLUS-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 265ºF. 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-X100-8	Bonding Agent	8 oz.
L-X100-P	Bonding Agent	Pint
L-X100-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 Soft Hand Base

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

L6500BK	Black
L6500BR	Bright Royal
L6500BS	Bright Scarlet
L6500CR	Candy Red
L6500DB	Dark Brown
L6500FG	Forest Green
L6500HG	Hunter Green
L6500KG	Kelly Green
L6500LY	Lemon Yellow
L6500MA	Maroon
L6500NB	Navy Blue
L6500PU	Purple
L6500REB	Reflex Blue
L6500RB	Royal Blue
L6500SC	Scarlet Red
L6500SG	Silver Grey
L6500TB	True Blue
L6500WR	Warm Red

High Opacity Colors

L6550BR	Bright Red
L6550GO	Gold
L6550LY	Lemon Yellow
L6550LG	Light Gold
L6550OR	Orange
L6550SR	Super Red
L6550TY	True Yellow
L6581	Optical White

Fluorescent Colors

L6500FLB	Fluorescent Blue
L6500FLG	Fluorescent Green
L6500FLM	Fluorescent Magenta
L6500FLO	Fluorescent Orange
L6500FLP	Fluorescent Pink
L6000FLR	Fluorescent Red
L6500GLV	Fluoroscope Violet
L6500FLY	Fluorescent Yellow

ColorPro Colors Opaque Mixing Colors

L6551BK	Black
L6551BGS	Blue (GS)
L6551BRS	Blue (RS)
L6551GR	Green
L6551MA	Magenta
L6551RBS	Red (BS)
L6551RYS	Red (YS)
L6551VI	Violet
L6551YGS	Yellow (GS)
L6551YRS	Yellow (RS)
L6551WH	White
L6551	Mixing Base

Metallics

L6700MS	Metallic Silver
L6700MG	Metallic Gold
L6700GG	Gold Glitter
L6700SG	Silver Glitter
L6700CRY	Crystallina
L6700GLO	Glow In the Dark
L6700BA	Metallic Base

Modifiers

L6501	Curable Reducer
L6502	Reducer
L6504	Base
L6550BA	High Opacity Base
L6505	Process Base
L6841	Printable Adhesive

Packaging

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

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 that 86ºF.

ALWAYS TEST PRINT BEFORE PRODUCTION

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

AQUATEX
Transparent Colors

AQT-2520	Black
AQT-2810	Bright Blue
AQT-2820	Bright Red
AQT-2830	Bright Dallas Green
AQT-2840	Lemon Yellow
AQT-2850	Light Blue
AQT-2860	Violet
AQT-2870	Gold
AQT-2880	Light Gold
AQT-2890	Orange
AQT-2573	Navy Blue
AQT-1010	Mixing Base

PLASTEX
High Stretch

PX-4515	White Hi-Opacity
PX-4520	Black
PX-4810	Bright Blue
PX-4820	Bright Red
PX-4830	Bright Green
PX-4840	Lemon Yellow
PX-4850	Light Blue
PX-4860	Violet
PX-4870	Gold
PX-4880	Light Gold
PX-4890	Orange
PX-4573	Blue
PX-4510	Clear Base

Modifiers

Aquafix	No Heat Curing Agent
AQT-2593	Low Crock
AQT-2594	Aqualife Retarder
AQT-2595	Thickener

Biodegradable Wash-Up

SYS-2500	Citrus Scent Scrn Wash
SYS-2550	Low Odor Wash
SYS-2510	Screen Wash Gel

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

Excalibur

Aqueous Textile Ink

AQUATEX & PLASTEX

AQUATEX

Aquatex water based inks provide a soft hand finish with excellent washability. All Aquatex inks are formulated for printing on light colored garments. They can be sued for printing, air brushing, or printing paper or wood. Aquatex colors are formulated to resist clogging in the screen.

PLASTEX

Plastex inks are high solids, water based inks that will stretch and retrace easily. They have excellent adhesion to a wide variety of substrates such as spandex, leather, Lycra, cotton/poly blends, and porous nylons. Plastex inks are fully washable, and can be dry cleaned.

SPECIFICATIONS

DRYING TIME: All moisture and water must be evaporated from cloth before drying/curing begins. Air-dries to touch in about 30 to 40 minutes, but can take up to 30 days to reach full cure. Jet dries in about 90 seconds at 350˚ F. (All colors must be heat set.) If insufficient oven conditions can't be met, add 2% AQUAFIX (Aquatex ***ONLY***) to ensure wash fastness.

SCREEN FABRIC:
Aquatex:Use monofilament polyester depending on material being printed. 60 - 80 mesh recommended for terry cloth towels, 109-200 mesh for normal printing.
Plastex: 60-160 Mesh

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 little water may be added. Aqualife retarder may be used in amounts of 5 - 10%

PRINT TECHNIQUE: Very little squeegee pressure is required and there is little drag for long runs without fatigue. Minimum off contact is recommended, but will print well on contact.

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

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

Transparent Colors
(6% Listed - 2% & 0.2% Available)

UPPPC-S10-6	Buttercup Yellow
UPPPC-S11-6	Matching Yellow
UPPPC-S12-6	Sunflower Yellow
UPPPC-S14-6	Harvest Gold
UPPPC-S18-6	Orange
UPPPC-S20-6	Match Warm Red
UPPPC-S235-6	Flag Red
UPPPC-S24-6	Ruby Red
UPPPC-S25-6	Wine Red
UPPPC-S27-6	Match Rhodamine
UPPPC-S295-6	Matching Violet
UPPPC-S31-6	Navy Blue
UPPPC-S34-6	Blueberry
UPPPC-S35-6	Reflex Blue
UPPPC-S36-6	Sky Blue
UPPPC-S40-6	Emerald Green
UPPPC-S44-6	Bright Green
UPPPC-S48-6	Spring Green
UPPPC-S50-6	Cinnamon Brown
UPPPC-S54-6	Chestnut Brown
UPPPC-S58-6	Walnut Brown
UPPPC-S71-6	Black
UPPPC-S71-10	Strong Black

Fluorescents

UPPPC-F10-18	Firefly Yellow
UPPPC-F18-18	Ember Orange
UPPPC-F24-18	Electric Pink
UPPPC-F30-18	New Orleans Blue
UPPPC-F40-18	Glowing Green

Process Color

UPPPC-S10P	Process Yellow
UPPPC-S25P	Process Red
UPPPC-S34P	Process Blue
UPPPC-S70P	Process Black

Modifiers

UPPPC-9070	Pavoclear Extend

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; 30 and 55 gallon drums.

Aqueous Textile Ink

PAVOCLEAR INK

SAFE AND LOW ODOR WATER-BASED TEXTILE INKS

Pavoclear textile inks are safe and extremely easy to use, making them an ideal ink line for textile, school and hobby-craft use. Truly ready for use transparent water base colors that require no additional retarder to remain open for long periods in the screen or no additives to reduce crocking. Excellent wash fastness and crock resistance. Available in all 72 standard colors, 8 fluorescent colors and 4 process colors. Excellent color strength, can be reduced up to 50%.

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: All colors are deep strength transparents for dye effects. Can be screen printed one color on another "wet-on-wet" for multicolor printing.

DRYING TIME: All moisture and water must be evaporated from cloth before drying/curing begins. Air-dries to touch in about 30 to 40 minutes, but can take up to 30 days to reach full cure. Jet dries in about 90 seconds at 320° F. (All colors must be heat set.) If insufficient oven conditions can't be met, add 1.5% PAVOFIX A to ensure wash fastness after 48 hours. Use PAVOFIX H for heat cure.

SCREEN FABRIC: Use monofilament polyester depending on material being printed. 86 mesh recommended for terry cloth towels, 156-230 mesh for normal printing, up to 330 mesh for 4 color process.

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

MODIFIERS: Use Pavoclear Extender to let down 6% colors to 2% or .2%. Use water or 2% Pavassist Smooth to reduce. Use about 20% water for penetration on terry cloth towels or like materials.

PRINT TECHNIQUE: Very little squeegee pressure is required and there is little drag for long runs without fatigue. Minimum off contact is recommended, but will print well on contact.

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

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

Opaque Colors

UPPPO-1000	Multi Purpose White
UPPPO-S10	Buttercup Yellow
UPPPO-S11	Matching Yellow
UPPPO-S12	Sunflower Yellow
UPPPO-S14	Harvest Gold
UPPPO-S18	Orange
UPPPO-S235	Flag Red
UPPPO-S24	Ruby Red
UPPPO-S25	Wine Red
UPPPO-S27	Matching Rhodamine
UPPPO-S30	Matching Purple
UPPPO-S295	Matching Violet
UPPPO-S31	Navy Blue
UPPPO-S33	Strong Royal
UPPPO-S36	Sky Blue
UPPPO-S34	Blueberry
UPPPO-S40	Emerald Green
UPPPO-S44	Bright Green
UPPPO-S48	Spring Green
UPPPO-S50	Cinnamon Brown
UPPPO-S54	Chestnut Brown
UPPPO-S58	Walnut Brown
UPPPO-S71	Black

Modifiers

UPPPC-9090	Pavoclear Extender
UPPPO-9090	Pavopaque B Base

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; 30 and 55 gallon drums.

AQUEOUS TEXTILE INK

PAVOPAQUE INK

SAFE AND LOW ODOR WATER-BASED TEXTILE INKS

Pavopaque textile inks are safe and extremely easy to use, making them an ideal ink line for textile, school and hobby-craft use. Truly ready for use opaque water base colors that require no additional retarder to remain open for long periods in the screen or no additives to reduce crocking. Excellent wash fastness and crock resistance. Available in all 26 standard colors.

SPECIFICATIONS

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

FINISH: Equal to fabric printed. Prints “breathe” well.

OPACITY: All colors are deep strength opaque colors. Can be screen printed one color on another "wet-on-wet" for multicolor printing.

DRYING TIME: All moisture and water must be evaporated from cloth before drying/curing begins. Air-dries to touch in about 30 to 40 minutes, but can take up to 30 days to reach full cure. (All colors must be heat set.) Jet dries in about 90 seconds at 320˚ F. If sufficient oven conditions can’t be met, add 1.5% PAVOFIX A to insure wash fastness in most systems. Use PAVOFIX H for heatcure.

SCREEN FABRIC: Use monofilament polyester depending on material being printed. 74-156 mesh for normal printing.

SCREEN COATING, FILM, BLOCKOUT: Use water resistant emulsion, preferable with hardener. Do not under expose!

MODIFIERS: Use Pavoclear Extender or Pavopaque B to let down colors. To improve opacity up to 2% Pavassist antiwicking agent can be added to improve brightness, but testing to make sure adhesion is still adequate is required. Reduce with a minimum amount of water to prevent hanging up on the squeegee and flood bar.

PRINT TECHNIQUE: Minimum squeegee pressure is required. Minimum off contact is recommended, with very tightly stretched screens.

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

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
- Heat cure
- Brilliant color on dark fabrics
- Washup with water
- Easy to print

Standard Colors

UDSPP-1001	White
UDSPP-S10	Buttercup Yellow
UDSPP-S235	Flag Red
UDSPP-S295	Matching Violet
UDSPP-S35	Reflex Blue
UDSPP-S36	Sky Blue
UDSPP-S34	Blueberry
UDSPP-S38	Pacific Blue
UDSPP-S40	Emerald Green
UDSPP-S48	Spring Green
UDSPP-S54	Chestnut Brown
UDSPP-S58	Walnut Brown
UDSPP-S75	Black

Fluorescents

UDCOP-F10	Firefly Yellow
UDCOP-F18	Ember Orange
UDCOP-F24	Electric Pink
UDCOP-F28	Ultra Violet
UDCOP-F30	New Orleans Blue
UDCOP-F40	Glowing Green
UDCOP-F44	Sublime Lime

Process Color

UDSPP-S10PR	Process Yellow
UDSPP-S25PR	Process Red
UDSPP-S34PR	Process Blue
UDSPP-S70PR	Process Black

Modifiers

UDCOP-9090	Opaque Base
UDSPP-9050	Preprint clear
UDSPP-1001	Preprint White
UDSPP-9ZFS	Discharge Agent

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.

Aqueous Textile Ink

DISCHARGE INK

WHAT IS DISCHARGE?

Discharge is a chemical reaction that destroys the ability of selected dyes to reflect a color. The reaction takes place at temperatures above 180°F (83°C). Only selected dyes on natural fibers are dischargeable. As specifications of shirt manufacturers are always changing, always test first and last shirt of a carton before production. Read understanding discharge by Pavonine before printing.

SPECIFICATIONS

USES: Produces brilliant color on dischargeable fabrics. Leaves a very soft hand.

FINISH: Equal to fabric printed.

OPACITY: All colors appear brilliant by eliminating the underlying color.

DRYING TIME: The discharge reaction takes place at temperatures above 180°F (83°C) while water is present. Driving off the water stops the reaction and will result in dull colors is incomplete. Printers with dryers designed for plastisol may have to lower temperatures and extend dwell times. After discharge, curing requires at least one minute at 330° (165°C) to obtain washability.

SCREEN FABRIC: Use monofilament polyester depending on material being printed. 156-178 mesh for normal printing.

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

MODIFIERS: ZFS (zinc formaldehyde sulfoxylate) added from 3 to 8% is required for discharge. Test for the minimum needed for each fabric.

PRINT TECHNIQUE: Very little squeegee pressure is required and there is little drag for long runs without fatigue. Minimum off contact is recommended, but will print well on contact.

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

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

AQUEOUS TEXTILE INK

PAVOREFLECT INK

Features
- Bright Colors
- Highly Reflective
- Extremely Durable
- Opaque

Colors

UPORF-1000	White
UPORF-1500	Gray
UPORF-1502	Dark Onyx
UPORF-2000	Yellow
UPORF-2500	Orange
UPORF-3000	Red
UPORF-3070	Warm Red
UPORF-4000	Violet
UPORF-5001	Blue G/S
UPORF-5002	Turquoise
UPORF-5003	Blue R/S
UPORF-6000	Chartreuse
UPORF-6090	Kelly Grn.
UPORF-6100	Emerald Green
UPORF-8100	Black
UPORF-M120	Silver

Fluorescents

UPORF-F10	Firefly Yellow
UPORF-F18	Ember Orange
UPORF-F24	Electric Pink
UPORF-F411	Violet
UPORF-F550	New Orleans Blue
UPORF-F40	Glowing Green
UPORF-F44	Sublime Green

Modifiers

UPORF9070F	Base

Fixatives

UPPPA-FIXRF Reflective Fixative
(Available in 2 oz. and 8 oz.)

Biodegradable Wash-Up

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

use on both series of ink on this page

Packaging
Available in quarts,gallons and 5-gallon pails.

Pavoreflect inks reflect focused light at night and glisten with a metallic sheen in sunlight. A natural for use on Lycra® bike gear and jogging attire. For maximum visibility and minimum problems keeping screens open, avoid fine lines in the design.

For use on absorbent fabrics only

SPECIFICATIONS

PRINTING: Coverage and reflectivity are two different things. Heavy deposits may look better in room light, but are not as reflective at night. Maximum reflectivity is obtained with a single stroke through 110 Mesh. Flashing and double hitting destroys reflectivity. Blues, greens, silver gray & red have the best hiding power and should be used on dark goods.Must be flashed or printed last when in combination with standard colors. Consult tech sheet before use.

DRYING TIME: Requires a minimum of 90 seconds at 320°F (160°C) in an oven with good air flow to achieve washfastness by oven cure alone but laboratory test indicate prints containing Fix RF on cotton and cotton blend knit fabrics dried at room temperature will accrue fair washfastness in 48 hours. Addition of 1.5% Fix A should insure washfastness of prints dried through inadequate ovens or air dried.

SCREEN FABRIC: Use 110 Mesh monofilament

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

WASHUP: Water or biodegradable washups 2500, 2550 or 2510 screen wash gel.

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

WATER-SOLUBLE INK ADDITIVES

UPARM-9005	Pavasist Slow: Retarder 6% gives good results. Maximum 8%
UPARM-9008	Pavasist Low Crock/Soft: Combination low crock, softener, retarder. Maximum 2%
UPARM-9003	Pavasist Pentrant: Improves penetration, reduces pick up. Maximum 1%
UPARM-9007	Pavasist 1733: Anti-wicking and opacity enhancer. 1% to 3% recommended.
UPPPA-FIXH	Pavafix H: Highly reactive cross linking agent for use in hot cure systems. Requires up to 8%. (AVOID CONTACT) CUSTOMER TESTING REQUIRED.
UPPPA-FIXA	Pavafix A: 1.5% improves washability of air dried prints or prints dried through inadequate ovens. (AVOID CONTACT) CUSTOMER TESTING REQUIRED.
UPPPA-FIXC	Pavafix C: Low temperature cross linking agent for difficult fabrics including waterproof nylon. CUSTOMER TESTING REQUIRED.
UPPPA-FIXRF	Pavafix RF: Bonding agent for use with reflective systems.(AVOID CONTACT WITH SKIN AND EYES) CUSTOMER TESTING REQUIRED.

Features
- Make your own ink as needed
- Brilliant color range
- Washup with water
- Easy to print
- Low Odor

Colors

UPIGT-2727	Economy White
UPIGT-2571	Super White
UPIGT-2717	Buttercup Yellow
UPIGT-2679	Matching Yellow
UPIGT-2730	Sunflower Yellow
UPIGT-2731	Harvest Gold
UPIGT-2718	Orange
UPIGT-2680	Match Warm Red
UPIGT-2719	Flag Red
UPIGT-2687	Ruby Red
UPIGT-2732	Wine Red
UPIGT-2681	Match Rhodamine
UPIGT-2733	Purple
UPIGT-2682	Matching Violet
UPIGT-2734	Navy Blue
UPIGT-2478	Blueberry
UPIGT-2735	Matching Reflex
UPIGT-2683	Sky Blue
UPIGT-2736	Pacific Blue
UPIGT-2684	Emerald Green
UPIGT-2737	Bright Green
UPIGT-2738	Spring Green
UPIGT-2739	Cinnamon Brown
UPIGT-2720	Chestnut Brown
UPIGT-2740	Walnut Brown
UPIGT-2729	Black
UPIGT-2479	Strong Black
UPIGT-2685	Matching Black
UPIGT-2744	Dischargable Black

Fluorescents

UPIGT-2721	Firefly Yellow
UPIGT-2724	Ember Orange
UPIGT-2686	Electric Pink
UPIGT-2741	Ultra Violet
UPIGT-2726	New Orleans Blue
UPIGT-2742	Glowing Green
UPIGT-2743	Sublime Lime

Modifiers

UPPPC-9070	Pavoclear Extend

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging
Available in quarts,gallons and 5-gallon pails; 30 and 55 gallon drums.

AQUEOUS TEXTILE INK

PIGMENT CONCENTRATES

SAFE AND LOW ODOR WATER-BASED TEXTILE INKS

Pavonine pigments allow the printer to make and infinite range of textile inks. The end product ink is determined by the base used in the formula. All of the Pavonine inks can be made for the proper combination of color and bases. The use of component ink systems provide the greatest value in textile inks.

MIXING BASES

TRANSPARENT BASES:

UPPPC-9070	PAVOCLEAR B: For use with up to 20% pigment concentrate.
UPPSP-9090	SPARKLETONE BASE: For metallic pigments or metallic flakes
UPPPS-9030	PAVOSTRETCH CLEAR: For use on stretchy or difficult fabrics.

.

TRANSPARENT BASE COMPONENTS:

UPARM-9002	PAVONINE BINDER: Can be set at lower temperatures, even a laundry dryer that reaches 250 degrees F.
UPARM-9006	PAVONINE BINDER: Non-Ionic, non-gelling soft binder
UPARM-9001	PAVONINE THICKENER: Electrolyte stable thickener, requires 2 to 3%.

OPAQUE BASES:

UPPPO-9090	PAVOPAQUE B: Best for use with standard pigments and wet on wet printing.
UPPPS-9090 difficult	PAVOSTRETCH OPAQUE: For stretchy or fabrics.

DISCHARGE COMPONENTS:

UDSPP-1020	DISCHARGE WHITE: Ready to print white, just add ZFS and print.
UDSPP-9050	PREPRINT CLEAR: For discharging prior to plastisol printing.
UDSPP-1000	PREPRINT WHITE: For discharging prior to plastisol printing.
UDDSPP-9ZFS	DISCHARGE AGENT: Zinc Formaldehyde Sulfoxylate add 4 to 8%

ALWAYS TEST PRINT BEFORE PRODUCTION

UV INK USE CHART

ALWAYS TEST CAREFULLY BEFORE PRODUCTION

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

KOLORCURE

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 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.

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

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 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 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

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 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.

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

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

Opaque Pantone Colors

KC-75-100	Mixing Base
KC-75-101	Yellow
KC-75-102	Warm Red
KC-75-103	Rubine Red
KC-75-104	Rhodamine Red
KC-75-105	Purple
KC-75-120	Violet
KC-75-106	Process Blue
KC-75-107	Reflex Blue
KC-75-108	Green
KC-75-109	Mixing White
KC-75-110	Mixing Black

Four-Color Process

KC-75-400	Halftone Base
KC-75-401	Yellow
KC-75-402	Magenta
KC-75-403	Cyan
KC-75-404	Black

Opaque Colors

KC-75-111	Opaque White
KC-75-112	Opaque Dense Black
KC-75-113	Primrose Yellow
KC-75-115	Medium Yellow
KC-75-114	Brilliant Orange
KC-75-116	Fire Red
KC-75-125	Bright Red
KC-75-117	Scarlet Red
KC-75-118	Navy Blue
KC-75-119	Peacock Blue
KC-75-120	Royal Violet
KC-75-121	Emerald Green
KC-75-122	Deep Green
KC-75-123	Lt. Brown
KC-75-124	Dk. Brown

Metallic Colors

KC-75-901	Silver
KC-75-903	Palegold
KC-75-904	Rich Palegold
KC-75-905	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

Kolorcure UV 7500 Series

CORRUGATED POLYETHYLENE

Series 7500 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..

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: 7500 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 75-100 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

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 (Waterwhite)	Sensitizer #3
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

Kolorcure UV 7600 Series

DECAL & LABEL

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 (Waterwhite)	Sensitizer #3
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

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 (Waterwhite)	Sensitizer #3
KC-8209 (Opaque)	Sensitizer #7
KC-8210	Adhesion Promoter

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging:

KOLORCURE

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

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

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 (Waterwhite)	Sensitizer #3
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

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 fluorescent colors are also available.

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

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.

ALWAYS TEST PRINT BEFORE PRODUCTION

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

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	Halftone 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 (Waterwhite)	Sensitizer #3
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

Kolorcure BC-000 Series

BONDCURE 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.

KOLORCURE

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.

ALWAYS TEST PRINT BEFORE PRODUCTION

KOLORCURE

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.

KOLORCURE

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

ANTI-BUBBLE ADDITIVE #2: 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-8102	Kolorcure Anti-Bubble #2

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 photoinators (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 #1 is a low-cost, multi-purpose activator.

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-8207	Sensitizer #1
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

CONVENTIONAL INK USE CHART

ALWAYS TEST CAREFULLY BEFORE PRODUCTION

	PI Candoc Poster Ink	GP Inktech General Purpose	NV Candoc Multi-Print	PA Candoc Poly Acrylic	PURE Candoc Polyurethane	PX Candoc Thermal Set	HU Speedball Ink	PTS Candoc Poly Banner	AM Inktech Vinyl Plus	PC Candoc Polycarbonate Ink	SGV Candoc Gloss Vinyl	GLV Inktech Gloss Vinyl	VC Candoc Flat Vinyl	CRP Inktech Corrugated Plastic	GLE Inktech Gloss Enamel	EN/TE Candoc Enamel	POE Inktech Poly Enamel	PDQ Candoc Fast Dry Enamel	GLL Inktech Gloss Lacquer	SS Candoc Lacquer	KP Candoc Lacquer	PR Candoc Mylar Ink	EP Candoc Baking Enamel	PP-91 Color FX Air Epoxy	ET Candoc Air Epoxy
ABS		•		•					•	•															
Acrylic (Plexiglass)		•		•					•	•															
Butyrate		•								•															
Cellulose Acetate									•			•	•						•						
Corrugated Plastic (Coroplast®)														•				•							
Epoxy																							•	•	•
Fiberglass				•																	•		•	•	•
Formica® (Phenolic)																							•	•	•
Melamine																							•	•	•
Mylar® (Polyester)																						•			
Mylar® (Top Coated)		•	•	•					•	•	•	•	•						•		•	•			
Poly Vinyl Chloride (PVC)		•	•	•					•	•	•	•	•												
Polycarbonate (Lexan®)		•	•	•					•	•			•												
Polyethylene (Treated)		•													•	•	•	•					•	•	•
Polyethylene Banners						•																			
Polypropylene														•	•	•	•	•					•	•	•
Polystyrene (Styrene)									•																
Reflective Sheeting (Scotchlite®)									•						•	•	•	•							
Tyvek		•																		•					
Vacuumed Formed Plastics		•	•	•					•	•	•	•	•												
Vinyl)		•	•	•					•	•	•	•	•												
Aluminum					•			•							•	•	•	•	•	•	•		•	•	•
Brass					•			•							•	•	•	•	•	•	•		•	•	•
Copper					•			•							•	•	•	•	•	•	•		•	•	•
Powder Coated (Test Carefully)					•			•	•														•	•	•
Steel					•			•							•	•	•	•	•	•	•		•	•	•
Billboards	•																				•				
Cardboard	•	•	•	•			•								•	•	•	•	•	•	•				
Corrugated Paper	•	•	•	•			•								•	•	•	•	•	•	•				
Fiberboard	•	•	•	•			•								•	•	•	•	•	•	•				
Litho Printed Paper	•																		•		•				
Masonite		•																			•				
Poster (24 Sheet)	•																				•				
Wall Paper	•																		•		•				
Wood		•													•	•	•	•	•	•	•				
Glass					•										•	•	•	•					•	•	•
Proxylin (Nitrocellulose lacquer)		•																	•	•					

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: Photoscreens. 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**

inktech
INKTECH INTERNATIONAL CORPORATION

Ink Tech GP Series

GENERAL PURPOSE INK

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 "uses". 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 Bril 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, KP, MP, OL, PA, PATH, PDQ, PI, PLUS, SN, SS, TL, TROP, VC, & VP.

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.

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

ALWAYS TEST PRINT BEFORE PRODUCTION

Features
- High solids
- Low V.O.C.
- Excellent outdoor dutiability
- 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
- High gloss
- Outstanding Flexibility
- Excellent weatherability
- Superior Adhesion

Colors

PX-503	White
PX-553	Black
PX-509	Primrose Yellow*
PX-592	Lemon Yellow*
PX-506	Medium Yellow*
PX-514	Orange*
PX-513	Fire Red*
PX-523	Deep Red*
PX-591	Light Blue
PX-528	Brilliant Blue
PX-508	Ultra Blue
PX-508	Navy Blue*
PX-590	Emerald Green*
PX-525	Perma Green*
PX-518	Medium Green*
PX-502	Mixing Clear

Process Colors

PX-556	Process Yellow
PX-557	Process Red
PX-558	Process Blue
PX-559	Process Black

Modifiers

PX-510	Reducer
PX-520	Flow Promoter
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 PX Series

POLYBANNER INK

POLYETHYLENE BANNER AND NYLON FLAG INK.

PX Series inks are specially designed to meet the performance requirements of Polyethylene Banner screen printed products. PX has other qualities that meet the requirements for screen printing on nylon flag material and many plastics. PX has outstanding outdoor weatherability and has a high gloss finish, no ink film softening, outstanding flexibility, and superior adhesion properties.

SPECIFICATIONS

USES: For polyethylene banner stock (treated), nylon flag material, Coroplast, and selected plastics.

FINISH: High gloss.

OPACITY: Very good opacity.

COVERAGE: Averages about 1000 to 1200 sq. ft. per gallon.

DRYING TIME: Will air dry in 15-45 minutes depending on plant conditions. Force dry through a high volume jet dryer (3000-5000 cfm) at 100-120˚F. for 30 to 90 seconds.

SCREEN FABRIC: Use a 180 - 280 mesh .

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

MODIFIERS: Thin with PX-510. PX Series must be reduced for proper printability. It is recommended that a minimum of 10% PX Reducer be mixed into the portion of PX color to be used in production. Mix Well! Further reduction may have to be introduced into the ink during production based on printing conditions.

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

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

Speedball Non-Toxic Permanent Ink

WATER SOLUBLE ACRYLIC 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

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**

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
- 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

Packaging:
Inks and solvents in quarts and gallons.

***Contain lead or chromate pigments**

INKTECH INTERNATIONAL CORPORATION

Ink Tech AM Series

VINYL PLUS INK

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.

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˚-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
- 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**

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

Packaging
Inks and solvents in quarts and gallons.

***Contains lead or chromate pigments.**

INKTECH INTERNATIONAL CORPORATION

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, acyclic, 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 VINYLS & 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 INTERNATIONAL CORPORATION

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 screen wash gel.

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

ALWAYS TEST PRINT BEFORE PRODUCTION

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

Solvents

GLE-1800	Thinner
GLE-1840	Wash-up
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 INTERNATIONAL CORPORATION

Inktech GLE Series

GLOSS ENAMEL INK

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 GLE-1840, SYS-1900 or biodegradable washes 2500 or 2510 screen wash gel.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features
- Air dries
- Excellent Coverage & Gloss
- Brilliant colors
- Extreme Outdoor Durability
- High coverage

Opaque Colors

EN-3103	White
EN-3155	Hi-Cover White
EN-3109	Primrose Yellow*
EN-3106	Medium Yellow*
EN-3111	Ultra Orange*
EN-3190	Emerald Green*
EN-3116	Light Green
EN-3118	Medium Green
EN-3113	Ultra Blue
EN-3127	Iron Blue
EN-3191	Light Blue
EN-3105	Fire Red*
EN-3138	Mandarin Red*
EN-3124	Deep Red*
EN-3129	Iron Oxide
EN-3104	Black

Transparent Colors

TE-3001	White
TE-3009	Medium Yellow
TE-3012	Yellow-Red
TE-3013	Ultra Blue
TE-3014	Orange
TE-3022	Violet
TE-3023	Light Yellow
TE-3024	Blue-Red
TE-3025	Blue-Green
TE-3026	Yellow-Green
TE-3028	Intense Blue
TE-3002	Clear

Modifiers

EN-3000	Screening Thinner
SYS-1900	Screening Thinner
SYS-1910	Slow Thinner
EN-3102	Clear Base
EN-3122	Transparent Base
EN-3125	Process Varnish
PT-83	Flattening Powder

Solvents

SYS-1910	Thinner
SYS-1900	Washup
SYS-1925	Washup

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Gel

Packaging
Inks and solvents in gallons; larger quantities available upon request.

***Contain lead or chromate pigments**

Candoc EN & TE Series

OUTDOOR ENAMEL

EN Series is a premium enamel especially for reflective and highway signs. EN offers excellent gloss as well as superior adhesion. The printing of EN-3125 over thoroughly dried prints will achieve even greater outdoor durability.

SPECIFICATIONS

USES: Excellent weatherability for outdoor signage on metal and wood. Adhesion and abrasion resistance on glass is unmatched, particularly for game parts and mirrored items. En withstands the mirroring process without breaking down. Good on cardboard, paper, some plastics, foil, reflective films such as Scothlite, glass, mirrors, and metal.

FINISH: Dries to a tough, highly flexible, high-gloss finish.

OPACITY: Excellent opacity in the opaque range.

COVERAGE: Averages about 1000 sq. ft. per gallon through a 230 mesh.

DRYING TIME: Air dries in 12 to 24 hours with good air circulation, or in 4 to 6 hours at 180° F. (Stack pressure sensitive stock in small lifts)

SCREEN FABRIC: Use a 160-300+ monofilament fabric.

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

MODIFIERS: Thin sparingly (about 5% by weight) with SYS-1910 Slow Thinner, SYS-1900 can also be used. To extend add EN-3122 (10-15% by weight). To subdue the gloss finish mix PT-83 Flattening Powder (1 to 6 oz. per gallon).

ADHESION: Superior adhesion to a wide variety of materials.

WASHUP: Use SYS-1900 Thinner/Washup or biodegradable washes 2500 or 2510 screen wash gel.

ALWAYS TEST PRINT BEFORE PRODUCTION

Features
- High gloss finish
- Good opacity
- Extensive color range
- Fast dry
- Single package system
- Excellent product resistance
- Scuff resistant

Opaque Colors

POE-1020	Fire Red*
POE-1030	Brilliant Red
POE-1040	Bright Red*
POE-1050	Permanent Red*
POE-1080	Maroon
POE-1110	Black
POE-1120	White
POE-1140	Brown
POE-1220	Orange*
POE-1240	Vermillion*
POE-1300	Primrose Yellow*
POE-1320	Lemon Yellow*
POE-1340	Medium Yellow*
POE-1420	Emerald Green*
POE-1450	Forest Green*
POE-1540	Peacock Blue
POE-1560	Brilliant Blue
POE-1570	Royal Blue
POE-1580	Dark Blue
POE-1620	Purple
POE-1640	Cerise
POE-1700	Clear

Transparent Colors

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

Solvents

POE-1800	Thinner
POE-1820	Slow Thinner
POE-1840	Wash-up
POE-1880	Accelerator (50ml)
T-900	Washup
SYS-1925	Washup

Biodegradable Wash-Up

SYS-2500	Screen Wash
SYS-2510	Screen Wash Ge

Packaging:
Inks and solvents in quarts and gallons.

*** Contains lead or chromate pigments**

INKTECH INTERNATIONAL CORPORATION

Inktech POE Series

POLY ENAMEL INK

AN EXTREMELY FAST DRYING ENAMEL FOR A WIDE VARIETY OF SUBSTRATES INCLUDING TREATED POLYETHYLENE AND POLYPROPYLENE

The POE series was originally called PB for Poly Bottle. It is excellent for container decoration, but the name was changed to reflect the wide range of products that this ink is now used for.

SPECIFICATIONS

USES: For use on card, paper, metal, wood, pre-treated polyethylene and polypropylene.

FINISH: Dries to a high gloss finish.

OPACITY: Good opacity for most colors.

COVERAGE: Averages about 2,100 sq. ft. per gallon using 230 mesh monofilament.

DRYING TIME: POE Series dries by evaporation and subsequent curing. Prints normally air-dry within 20 to 30 minutes, or 30 to 60 seconds at 160 to 180˚F. Allow more time when overprinting to avoid possible re-wetting of previous colors.

SCREEN FABRIC: Use a 230 to 305 monofilament mesh .

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 thinning (5 - 10%) with POE-1800 Thinner may improve print quality. POE-1700 Clear should be used when conditions require greater transparency or color brilliance. Use POE-1700 as a metallic base.

RETARDER: To improve screen stability, or under hot shop conditions, use some or all Slow Thinner POE-1820.

ADHESION: Excellent on most substrates.

WASHUP: Use POE-1840, T-900, SYS-1925, or biodegradable washes 2500 or 2510 screen wash gel.

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
GLL-1870	Flow Agent

Solvents

GLL-1800	Thinner
GLL-1810	Fast Thinner
GLL-1830	Extra Slow Thinner
GLL-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.

INKTECH INTERNATIONAL CORPORATION

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
- 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 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
- 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**

Candoc KP Series
HIGHLY DURABLE WITH EXCELLENT FILM

LACQUER INK

INTEGRITY

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

Candoc PR Series

A DURABLE GLOSS INK FOR ALL UNCOATED POLYESTER

MYLAR INK

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.

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. Undercuring 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.

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 110 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

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

MIXING POWDERS

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 200ºF - 400ºF, 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 metallic 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 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 mesh. PP-30 is a compliance pigment. Store pigments only in glass or polyethylene containers and use a glass or wood stirrer as metal affects the glow. (30 micron)

PH-PP-30 Powder

SCREENABLE ADHESIVES

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

PT-83	Flattening Powder
SYS-5100	Isopropyl Alcohol
GE-76	Glass Etch
GE-78	Glass Etch Thinner

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.

GLASS ETCH

GE-76 comes ready to use for screen printing permanent frosted or etched effects on glass. 125 Mesh monofilament is recommended. Simply let prints stand several minutes, then rinse with cold water. Available in pound (about a pint) containers. Thin with GE-78.

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		

2560 SCREEN WASH GEL

Screen Systems 2560 is the same as 2550 except that it is in gel form. This enables hand application to screens with no dripping or running, minimizing use. Ideal for large screens. Also biodegradable and water soluble with virtually no odor.

SYS-2560-Q	Qt.	SYS-2560-5G	5 Gal.
SYS-2560-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-2100-5G	5 Gal.
SYS-2100-G	Gal.	SYS-2100-15G	15 Gal.

2110 ECONOMY 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.

2110-Q	Qt.	2110-5	5 Gal.
2110-G	Gal	2110-15G	15 Gal.

DIP TANK WASH

2800 (Mix With Water 2 to 1)
2900 (Mix With Water 10 to 1!)

2800 and 2900 are dip tank products designed to break up plastisol ink and direct emulsion at the same time. After several minutes in the dip dank, the screen is put in a sink and residue is removed with a high pressure (1000 lb.) water spray.

2900 Formula (2 to1)

2800-Q	Qt.	2800-G	Gal.
2800-5G	5 Gal.	2800-15G	15 Gal.
2800-55G	55 Gal.		

2900 Concentrated Formula (10 to1)

2900-G	Gal.	2900-15G	15 Gal.
2900-5F	5 Gal.	2900-55g	55 Gal.