



Recommendations	
Product Overview	
Product Code	PATE1000
Industry	Inks
Application	Screen Printing
Category	White Inks
Chemistry	Plastisol
Substrate(s)	Nylon
Best Used By	12 months
Certification(s)	ISO9001
Curing:	
Fusion Temperature	300 °F
Fusion Time	4-6 seconds
Performance:	
Coverage	High Opacity
After Flash Tack	Decreases with increased mesh
Squeegee:	
Squeegee Profile	Square
Squeegee Type	Polyurethane
Squeegee Angle	10° - 20°
Screen:	
Mesh	86 to 110
Storage:	
Storage Temperature	65°F - 95°F (18°C - 35°C)

Last Change: Feb 2017

EF ATHLETIC WHITE

EF Athletic White is supplied for printing on:

Instructions

Stencils: Use any direct emulsion or capillary film compatible with plastisol inks.

Printing Instructions: Athletic Gloss inks should be printed through a coarse mesh screen in order to produce a thick deposit of ink. Placing a soft surface such as a silicone rubber pad on the platen will help print a thicker layer of ink. Two or three strokes may be necessary to drive the ink into the garment and still leave a thick film on top. For maximum deposit use soft or medium durometer squeegees with rounded or beveled edges.

Additives: Athletic Gloss plastisol inks are supplied ready to print. If necessary, reduce with (up to 5% by weight) Reducer/Detackifier (PLRE-9000). Curing Instructions: Athletic Gloss inks will cure when the entire ink deposit reaches 300°F (149°C). Because of the thicker layer of ink usually printed on athletic uniforms as well as the thicker fabrics of athletic garments, longer dwell times and higher oven temperatures may be required to ensure that the entire ink film is fully cured.

Products: Refer to the PATE series of products

Recommendation

Caution: Always test this product for curing, adhesion, crocking, opacity, washability and other specific requirements before using in production. Athletic Gloss Metallic should be washed in cool water with mild detergent to preserve brilliance of finish. Even after taking these precautions, some detergents and pH factors of the wash water can adversely affect the longevity of the print. Many Athletic Gloss colors are available in nonmigrating formulations. This indicates colors when printed over other numbers or graphics will not run into each other unless excessive heat (350°F/177°C and above) is applied during the curing process. This concept should not be confused with bleed resistance.

Statement

Union Ink does not knowingly add plasticizers containing the phthalates listed and outlined in California Bill 1108, CPSIA HR-4040 and Oeko-tex Standard 100. The plasticizers identified may include di-(2-ethylhexyl) phthalate (DEHP), dibutyl phthalate (DBP), benzyl butyl phthalate (BBP), diisononyl phthalate (DINP), diisodecyl phthalate (DIDP), di-n-octyl phthalate (DnOP), (DIBP) Di-iso-butyl, and (DMP) Dimethylphthalate, including esters of ortho-phthalic acid and are not direct ingredients in the manufacture of our Non-Phthalate Inks. Union Ink does not test the final product for amounts of the aforementioned phthalate plasticizers and esters and encourages all users to conduct testing for their intended use.

Disclaimer:

Not all Union products are available in every country. Please check with your local representative for availability. The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the products for a particular purpose.