Union Ink

Recommendations	
Product Overview	
Product Code	PADE1027
Industry	Inks
Application	Screen Printing
Category	White Inks
Chemistry	Plastisol
Substrate(s)	Cotton
Best Used By	12 months
Certification(s)	ISO9001
Curing:	
Fusion Temperature	320 °F
Fusion Time	4-6 seconds
Performance:	
After Flash Tack	Decreases with increased mesh
Squeegee:	
Squeegee Profile	Square
Squeegee Type	Polyurethane
Squeegee Angle	10° - 20°
Storage:	
Storage Temperature	65°F - 95°F (18°C - 35°C)

Last Change: Feb 2017

EF BRITE COTTON WHITE

For direct printing as an under base, stand-alone or highlight white on 100% cotton garments.

Instructions

Stencils: Use any direct emulsion or capillary film compatible with plastisol inks. When using liquid emulsions, a good coating technique (2+2) starting on the print side and proper exposure typically provides the best opacity, edge definition, and stencil longevity.

Additives: These inks are supplied ready to print. Since plastisol inks "–body up"• as they sit in the container, you should always stir the ink well to determine the actual printing viscosity before adding any reducer. If necessary reduce with small amounts 5-10% of Reducer / Detackifier (PLRE-9000). Reducing the ink usually reduces the opacity. Do not add mineral spirits.

Printing Instructions: These whites may be printed on both manual and automatic presses using normal printing techniques. For increased ink deposits multiple strokes may be necessary on manual presses. A soft pad on the printing pallet and minimal squeegee pressure will minimize penetration into the garment and enhance the final print. The use of a "Smoothing Screen"• technique immediately after a flash white will increase smoothness of a finished graphic dramatically.

Flash-Curing: Inks will gel when surface of ink film reaches approximately 240°•F / 115°•C. Flash times will vary depending on type of flash-cure unit, dwell time and distance from flash panel to substrate.

Curing: Entire thickness of the ink film must reach 310°•F / 154°•C to achieve full cure and subsequent washfastness. Thicker ink deposits typically require higher temperatures and longer dwell times in oven. High moisture content in cotton garments can potentially cause under cure. Be sure garment is in dryer long enough to evaporate all moisture allowing for full cure and providing optimum performance of printed inks.

Washability: Excellent when properly cured. Never dry clean. or iron plastisol printed areas.

Recommendation

Caution: Test this product for curing, adhesion, crocking, opacity, washability and other specific requirements before using in production.

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.