



Recommendations	
Product Overview	
Product Code	PRPE8080
Industry	Inks
Application	Screen Printing
Category	Specialty Inks
Sub-Category	Trutone
Chemistry	Plastisol
Substrate(s)	Cotton
Best Used By	12 months
Certification(s)	ISO9001
Performance:	
After Flash Tack	Decreases with increased mesh
Squeegee:	
Squeegee Profile	Square
Squeegee Type	Polyurethane
Squeegee Angle	10° - 20°
Screen:	
Mesh	305 to 355
Storage:	
Storage Temperature	65°F - 95°F (18°C - 35°C)

Last Change: Nov 2016

EF TRU-TONE PROCESS BLACK

Instructions

Four-color process printing. Wet-on-wet direct printing. White garments. Stencils: For optimum results use solvent resistant dualcure emulsions. Do not use water-resistant or one-part photopolymer emulsions. Underexposed stencils may break down during printing or cause a chemical reaction between the ink and emulsion resulting in a clogged screen mesh that Stencils: For optimum results use solvent resistant dualcure emulsions. Do not use water-resistant or one-part photopolymer emulsions. Underexposed stencils may break down during printing or cause a chemical reaction between the ink and emulsion resulting in a clogged screen mesh that will be difficult and sometimes impossible to reclaim. Additives: Tru-Tone plastisol inks are supplied ready to print. Any modification to these inks can have an adverse effect on their performance.. If necessary, reduce with small amounts of Reducer/Detackifier (PLRE-9000). Tru-Tone Halftone Base (PRPE-9080) can be used when or if necessary to reduce color concentrations. Printing: For best results Tru-Tone inks should be printed on white fabrics. The color values will be altered if printed on dyed fabrics. Curing Instructions: Tru-Tone inks will fully cure when the entire thickness of the ink deposit reaches 300°F (149°C). Technical Tips: If you use Adobe Photoshop for making color separations, the most accurate process color separations can be achieved by using the TruTone Ink Photoshop Setup Values Plug In available for free download on our web site www.unionink.com. The Tru-Tone ink set also includes a Fine White Printer (PRPE-1080), a transparent white halftone ink that is printed through a fifth screen to provide brighter highlight colors, minimize dot gain and enhance detail in white and pastel colors. Five highly-pigmented Triple Strength process color inks are available for printing with an under base white or a discharge under base to obtain true four-color process prints on black shirts. This process involves modified art and higher screen meshes. Due to the many variables involved, the printer is responsible for evaluating what works best for the job at hand. They can also be combined with Process Halftone Base (PRPE-9080) to create process colors with color values unavailable with the standard Tru-Tone process colors. We also offer a variation on our standard Process Magenta. Process Hot Magenta (PRPE-3085) This can be used when you want to produce hotter reds, oranges, and flesh tones in your design. Wash-Up: Clean the screens and squeegees with mineral spirits or any compatible Eco-Friendly screen wash designed for plastisol inks. PRODUCTS: Standard Colors PRPE-1080 Fine White / PRPE-2080 Yellow / PRPE-3082 Magenta PRPE-5080 Cyan / PRPE-8080 Black Triple Strength Process Colors PRPE-1089 Triple Strength White / PRPE-5089 Triple Strength Cyan / PRPE-8089 Triple Strength Black PRPE-3089 Triple Strength Magenta / PRPE-2089 Triple Strength Yellow Specialty Process Colors PRPE-3085 Process Hot Magenta Additives PRPE-9080 Process Halftone Base

Recommendation

Caution: Always test this product for curing, adhesion, crocking, opacity, washability and other specific requirements before using in production. The use of commercial screen openers with Tru-Tone (PRPE) Series is not recommended.

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.