



Non-Phthalate Plastisol

## EF Tru-Tone Plastisol (PRPE)

For extremely accurate and consistent process color printing on textiles.

### Applications

- Four-color process printing.
- Wet-on-wet direct printing.
- White garments.

### Features

- Ready-to-print accurate colors.
- Minimal dot gain and build-up.
- Extremely soft hand.
- Most Accurate photo replication system available.

**General Information:** Union Ink's Tru-Tone (PRPE) plastisol inks are the premier inks for process color printing on textiles. Tru-Tone inks have extremely accurate, consistent colors, very low dot gain, and are ready to print right out of the can.

**Opacity:** Tru-Tone inks are transparent.

**Mesh:** For best results use 305 on manual presses and 355 on automatics (120-140 threads/cm) plain weave monofilament polyester. Using coarser meshes will result in increased ink deposits and stronger color shades. If you are using retensionable frames, adjust the mesh tension to at least 25 Newtons/cm. For consistent and accurate color reproduction be sure that all screens are at the same tension.

**Stencils:** For optimum results use solvent resistant dual-cure 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](http://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.

**Storage:** Store plastisols at room temperature. Prolonged exposure to high temperature can make the ink start to gel.

**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.

**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-2089 Triple Strength Yellow  
PRPE-3089 Triple Strength Magenta  
PRPE-5089 Triple Strength Cyan  
PRPE-8089 Triple Strength Black

**Specialty Process Colors**  
PRPE-3085 Process Hot Magenta

**Additives**  
PRPE-9080 Process Halftone Base

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