



Non-Phthalate Plastisol

EF Basic Cotton White (PADE-1001) EF Bright Cotton White (PADE-1027) EF Premium Bright Cotton White (PADE-1030)

High-Opacity, Fast Flashing, Direct-Print White Plastisols for 100% cotton.

Applications

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

Features

- High opacity.
- Easy to print, creamy consistency.
- Can be used through fine meshes for extra soft-hand prints.

Good

Basic Cotton White (PADE-1001): A low-cost, general-purpose white which provides good opacity and printability rivaling many competitive whites that sell at a higher price.

Better

Bright Cotton White (PADE-1027): Union's most successful cotton white, Bright Cotton White is fast-flashing, has no after-flash tack, high-opacity and is extremely bright with excellent printability.

Best

Premium Bright Cotton White (PADE-1030): For printers who require the very best in a white ink. Premium Bright Cotton white has all the attributes of Bright Cotton White as well as improved opacity and brightness while maintaining excellent printability.

Opacity: Refer to individual product for opacity.

Mesh: Whites for Under Basing : 123-255 (48-100 metric) monofilament polyester. Finer meshes for the under base application will produce softer feeling prints.

Whites for Direct Printing : 83-230 (32-92 metric) monofilament polyester.

Whites for Highlights : 230-305 (90-120 metric) monofilament polyester produces excellent results.

Note: Screens stretched to higher tensions (30 newtons and above) allow inks to pass through easier yielding better opacity, coverage and smoother finishes even when using finer mesh counts.

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.

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

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

Available

PADE-1001 Basic Cotton White
PADE-1027 Bright Cotton White
PADE-1030 Premium Bright Cotton White

Union Ink Company

10021 Rodney Street • Pineville, NC 28134
800-438-5134 • 704-553-0046 • Fax: 704-552-6589
www.unionink.com • sales@unionink.com