

# Excalibur

Technologically Superior Ink



## TKO WHITE

TKO White is Excalibur's economical low-bleed white ink for 50/50 poly/cotton blended fabrics. It forms a perfect compromise between customer and printer allowing printers to offer a lower cost per print while still maintaining profitability. TKO's easy-printing, high-opacity and low-bleed formulation can be used on both automatic and manual presses easily covering dark backgrounds. TKO White's is very versatile and provides excellent results when used as an underbase, stand-alone or highlight white. TKO White offers features and benefits that up until now have only been found in white inks carrying a much higher price tag.

## FEATURES AND BENEFITS

- Low-bleed formulation fights dye migration on poly/cotton blends.
- High-opacity fast-flashing ink for covering dark backgrounds and increasing production.
- Creamy, easy-printing consistency produces sharp prints through the higher mesh counts utilized for simulated-process printing.
- Produces excellent results on both manual and automatic presses to eliminate the need for a second white.
- Completely phthalate-free and lead-free formulation complies with all standards of Consumer Product Safety Improvement Act (CPSIA) banning phthalates and heavy metals in textile-printing inks.

## TECHNICAL INFORMATION

**Gel Temperature:** Ink will surface gel at 240° F (116° C).

**Curing:** Prints will fully heat cure when the entire ink film reaches 320°F (160°C).

**Heat Transfers:** TKO White may be used in printing cold peel transfers.

**Mesh:** For direct printing a 80-230/inch (32-922Tcm) may be used. For printing heat transfers an 80-125/inch (32T-50T cm) provides excellent results.

**Stencil:** Any stencil compatible with plastisol inks may be used.

**Modification:** Because plastisol inks are thixotropic and can body up during storage always stir ink thoroughly prior to print or adding reducers. If necessary 501PF Curable Reducer may be added increase printability of ink and to help clean from the screen. CAUTION: Adding too much 501PF Curable Reducer will reduce opacity and bleed-resistance.

**Squeegee:** 70 durometer or 90/70/90 triple durometer blades are recommended.

**Printing Techniques:** A print/flash/print technique may be necessary to produced desired results on dark garments.

**Clean-up:** Use Enviro Series 2000 Green or Enviro Series TR Blend.

## CAUTION

Always test finished prints for bleed-resistance, curing, adhesion and desired look prior to beginning full production runs. Lancer Group International cannot guarantee the results or back claims that this mixed ink will test phthalate-free if any additive other than an additive manufactured by Lancer Group International is used to modify this ink. Test results by a third-party laboratory verifying all components used to produce this ink are phthalate-free and lead-free are available upon request.



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