

# Excalibur

Technologically Superior Ink



## 500PF Direct Print Wet-on-Wet Series

Excalibur's 500PF Series is the printer's choice for high-production, wet-on-wet direct printing on 100% cotton light colors or on top of a flashed white underbase. 500PF is available in a wide range of colors all formulated to minimize build-up on the backs of screens. One of Excalibur's most versatile inks 500PF can be used for producing cold-peel transfers as well as being the ink series most widely used with Excalibur's additives suede or puff additive to transform 500PF Series colors into special effects inks. The 500PF Series is available in quantities from one quart to 50 gallon drums.

## FEATURES AND BENEFITS

- Creamy, easy-printing consistency produces sharp, opaque prints on both manual and automatic presses whether you are printing directly on top of a white or light colored 100% cotton garment or on top of a flashed white underbase.
- 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 cure when the entire ink film reaches 320°F (160°C) for at least 15 seconds.

**Heat Transfers:** 500PF can be used in printing cold peel transfers.

**Mesh:** For direct printing a 110-305/inch (43T-122Tcm) may be used.

**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.

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

## COLORS

Lemon Yellow, True Yellow, Light Royal, Maroon, Navy Blue, Old Gold, Light Gold, Gold, Purple, Violet, Fuschia, Reflex Blue, Royal Blue, Rhodamine Red, Rubine Red, Scarlet Red, Silver Grey, True Blue, Super Royal, Bright Blue, Light Blue, Warm Fled, Fluorescent Blue, Fluorescent Green, Fluorescent Magenta, Fluorescent Orange, Fluorescent Pink, Fluorescent Red, Fluorescent Violet, Fluorescent Yellow.

## CAUTION

Always test finished prints for 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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