

# Excalibur

Technologically Superior Ink



## 1533PF COLLEGIATE COLORS & 1550PF SportPro Series

Excalibur's 1533PF and 1550PF Series offer printers the ultimate in opacity, bleed-resistance and durability for direct printing 100% nylon, 100% polyester and any high-stretch performance wear fabrics. For best either a double stroke or a print/flash/print technique should be utilized. 1533PF is manufactured with the same base and pigments as the 1550PF Series. Both series offer a combined colour range of 40 of the most popular collegiate and athletic colours.

### FEATURES AND BENEFITS

- Cures at 290° F to keep polyester dyes from migrating from fabric to ink film surface.
- Formulated for 100% nylon, 100% polyester athletic uniforms so athletic printers only need one ink.
- High-elongation ink film makes SportPro an excellent choice for garments made with lycra/spandex.
- Creamy, easy-printing consistency produces sharp, opaque prints on both manual and automatic presses.
- 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.
- Available in the 1551 Color Mixing System to create Pantone® matches or to create custom colours.

### TECHNICAL INFORMATION

**Gel Temperature:** Ink will surface gel at 220° F (105° C).

**Curing:** Prints will fully cure when the entire ink film reaches 290°F (160°C) for at least 15 seconds.

**Heat Transfers:** 1533PF and 1550PF can be used in printing cold peel transfers.

**Mesh:** For direct printing a 60-110/inch (24T-43Tcm) 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.

**Printing Techniques:** A print/flash/print technique should be utilized to achieve desired opacity, bleed-resistance and durability on athletic uniforms especially uniforms that are to be worn in athletic contests.

**Storage:** SportPro inks are more sensitive to heat than normal plastisol inks. Return unused ink to the bucket and seal lid completely. Store containers in an area that has the lowest temperatures. If ink is left open and exposed to high room temperature of a typical screen printing shop for more than 12 hours, its shelf life may be shortened. This product may thicken or semi-gel if left in a screen or uncovered in the container over several days. If ink does thicken, you can try stirring ink to break down the "body" or adding reducer to get ink to flow easier.

1533 Colours—Aqua, Blazer Gold, Bright Royal Blue, Bright Scarlet Red, Burnt Orange, Cardinal Red, Chrome Green, Collegiate Golden Yellow, Columbia Blue, Dark Brown, Deep Purple, Gold, Grey, Kelly Green, Lemon Yellow, Light Orange, Maroon, Michigan Yellow, Navy, Orange, Royal Blue, Scarlet Red, Texas Orange, Vegas Gold.

1550 Colours—Athletic White, Black, Bright Blue, Bright Dallas Green, Bright Red, Fresh Green, Fuschia, Gold, Lemon Yellow, Light Blue, Light Gold, Orange, Super Red, Super Royal, Turquoise, Violet.

### 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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