

Excalibur

Technologically Superior Ink



1596PF SPORTPRO DEFENDER

Excalibur 1596PF SportPro Defender is a first down grey underbase or a last down backer for cold peel transfers to block dye molecules in 100% polyester dark colored garments that are prone for dye migration. The proprietary particles contained in Excalibur 1596 SportPro Defender act as filters to filter out dye molecules which can migrate up through the ink film during the curing or heat transfer process. Excalibur 1596PF SportPro Defender prevents dye migration on many 100% polyester fabrics where normal low-bleed plastisol inks fail miserably.

FEATURES AND BENEFITS

- Filters dye molecules before they reach the ink surface on the nastiest of 100% polyester dark garments.
- High-opacity formula easily covers dark backgrounds.
- Easy-printing viscosity makes Excalibur 1596PF SportPro Defender an excellent choice for manual and automatic machines.
- Completely PVC-free, 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 gel on surface at 240° F (126° C).

Curing: Excalibur 1596PF SportPro Defender will fully cure when the entire ink film reaches 315° F (163° C.) and held at this temperature for at least 30 seconds.

Heat Transfers: Excalibur 1596PF SportPro Defender may be used to back inks in the production of cold peel transfers when used in conjunction with Excalibur 846PF Printable Adhesive and C57 Hot Melt Powder to promote best adhesion to substrate.

Mesh: For direct printing an 83-110/inch (16T-43Tcm) provides excellent results for direct printing and backing cold-peel transfers.

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 Excalibur 1501PF Curable Reducer may be added to increase printability of ink and help clean ink from the screen. CAUTION: Adding too much Excalibur 1501PF Curable Reducer will reduce opacity and reduce bleed resistance of Excalibur 1596PF SportPro Defender. Because 501PF Curable Reducer can actually promote bleed resistance it should not be used as a modifier in any SportPro ink.

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

Printing Technique: A print/flash print technique may be necessary to produce desired results.

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

CAUTION

Always test finished prints for curing, adhesion, opacity, bleed-resistance and desired look prior to beginning full production runs. Lancer Group International cannot guarantee the results or back claims that this ink will test PVC-free or 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 PVC-free, phthalate-free and lead-free are available upon request. No claim in this Technical Data Sheet is intended to guarantee Excalibur Defender 1596PF works and blocks dye migration on every 100% polyester dark fabric. Customer testing is required and should be implemented when printing any new product or unfamiliar fabric.



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