

# Excalibur

Technologically Superior Ink



## PF-97 PUFF ADDITIVE

Excalibur's Puff Additive when added to any color of Excalibur's 500PF Series of phthalate-free plastisol inks transforms the flat ink into an ink capable of producing dramatic 3D effects. Simply add 20-30%% Puff Additive by weight and mix thoroughly.

## FEATURES AND BENEFITS

- Mixes into any 500PF colour to reduce inventory. No longer is it necessary to have both a high-opacity red, and a puff red.
- Mixing exact quantity required for your print job also reduces inventory.
- High-opacity formula easily covers dark backgrounds of 100% cotton.
- 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 gel on surface at 240° F (116° C).

**Curing:** Ink film will fully cure when the entire ink film reaches 320° F (160° C.) and held at this temperature for at least 15 seconds. Because suede prints are very thick it will be necessary to slow down belt speed of dryer or increase heat to fully cure the thicker ink film.

**Mesh:** For direct printing a 86--160/inch (32T-64Tcm) may be used.

**Stencil:** Any emulsion compatible with plastisol inks. Thicker stencil thicknesses will produce more dramatic effects.

**Modification:** None recommended. If absolutely necessary after stirring add a maximum of 3-5% 501PF Curable Reducer. Amounts higher than this could reduce height of 3D-print..

**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, bleed-resistance, ink film thickness 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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