

# Excalibur

Technologically Superior Ink



## 700PF METALLIC COLOURS

Excalibur's 700PF Metallic Colours is a series of eight colours formulated from a crystal-clear base to give prints a stunning, shimmering and sparkling effect. The small size of the metallic flakes easily pass through 110/43T meshes. Because the metallic flakes are made of polyester they will not tarnish over time guaranteeing your prints maintain that sparkling appearance. 700PF Metallic Clear Base is also available for those printers wanting to add their own colored flakes.

## FEATURES AND BENEFITS

- Metallic flakes made of polyester to prevent tarnishing.
- 004." x 004" size particle prints through meshes up to 110/43T Metric for finer detail designs.
- Easy-printing viscosity makes 700PF Metallic Colours an excellent choice for manual and automatic machines.
- 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 clear base to create custom, sparkling colors.

## TECHNICAL INFORMATION

**Gel Temperature:** Ink will gel on surface at 240° F (126° C).

**Curing:** Excalibur 700PF Metallic Colours will fully cure when the entire ink film reaches 320° F (160° C.) and held at this temperature for at least 30 seconds. Because of the reflective nature of the metallic particles it may require raising the temperature, a longer dwell time inside the dryer or a combination of both to achieve full cure.

**Heat Transfers:** Excalibur 700PF Metallic Colours may be used in the production of cold peel transfers when used in conjunction with with Glitter-Strip Transfer Paper or any other paper suitable for printing metallic or glitter inks.

**Mesh:** For direct or transfer printing a 40-110/inch (16T-43Tcm) provides excellent results depending upon the detail within the design.

**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 printing or adding reducers. If necessary Excalibur 501PF Curable Reducer may be added to increase printability of ink and help clean ink from the screen. CAUTION: Adding too much Excalibur 501PF Curable Reducer will reduce opacity and reduce clarity thus altering the sparkling look of the metallic 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.

**Mixing:** Add 15% by weight of your metallic flakes to 700PF Metallic Clear Base and mix thoroughly.

## COLOURS

Metallic Clear Base, Metallic Copper, Metallic Green, Metallic Purple, Metallic Red, Metallic Royal, Metallic Gold Sparkle, Metallic Old Gold, Metallic Silver,

## CAUTION

Always test finished prints for curing, adhesion, opacity, 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 phthalate-free and lead-free are available upon request.



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