

## FOIL PROOF

Excalibur's 801PF Foil Proof is formulated so that printers can produce a foil special effect as part of multi-color designs. When combined with the few simple printing techniques outlined below, Foil Proof forms a barrier between the colour and the foil to help prevent the foil from adhering to that particular colour or any colour in the design that has Foil Proof printed over the top.

## PRINTING TECHNIQUES:

1. On non-foil areas, use finer meshes to achieve a thinner ink film than the area to be foiled.
2. For best results use 80-110 (32-43 T/cm) mesh counts with a print/flash/print technique to build up the areas to be foiled. . Adding 25% 820PF Puff Base to to 845PF Printable Adhesive creates a low, almost unnoticeable loft that results in a higher surface area for the foil to adhere. A print/flash/print technique with Foil Proof is recommended for maximum resistance.
3. Adding small amounts (3% by weight or less) of 801PF Foil Proof into the ink will also aid the foil resistance. Be aware that adding amounts greater than 3% will affect viscosity and opacity of those colours.
4. Gelling instead of fully curing the print prior to transferring the foil sheet will result in a more durable foil transfer. Proper cure of the print will be achieved when the foil sheet is heat pressed to the design at 375°F (191°C). If necessary, after applying the foil the garment can be put through the dryer again at normal curing temperatures so that the entire ink film reaches 320°F (160°C).

## COLOURS

Foil Proof (801PF)

## 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.

## TECHNICAL DATA



### IDEAL FABRIC

100% Cotton White  
Appropriate Underbase.



### MESH

Reference Printing  
Techniques in main body of  
TDS.



### SQUEEGEE

70/90/70 Triple Durometer  
70 Single Durometer



### STENCIL

Any emulsion compatible  
with plastisol inks. Thick  
stencils are recommended.



### CURING

Gel Temperature 240° F (116° C)  
Full Cure Reference Printing  
Techniques in main body of this  
TDS.



### PIGMENT LOADING

N/A



### ADDITIVES

N/A



### STORAGE

60°-90° F (15°-32° C) with  
lids closed tightly.



### CLEANING

Enviro Series 2000 Green or  
Enviro Series TR Blend.



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