

Excalibur

Technologically Superior Ink



820PF Series Direct Print Puff Base and Colours

Excalibur's 820PF Puff Ink Series is a specialty ink designed to producing stunning 3D effects in plastisol designs printed on 100% cotton fabrics. When printing on 50/50 or 100% polyester fabrics the appropriate underbase to block dye migration must be used under the 820PF colour. The height of the 3D effect can be controlled by using coarser meshes for higher effects and finer meshes for more subtle effects. The base can be mixed with Excalibur Pigment Concentrates to mix Pantone colours, Excalibur standard colours or custom colours.

FEATURES AND BENEFITS

- Produces raised, 3D effects to make a particular part of a design stand out.
- Easy-printing viscosity makes it a perfect choice for both manual and automatic equipment.
- 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

Mixing Colours With Puff Base—For optimum results a 10% pigment load is recommended. While a maximum of 15% pigment concentrate can be added, beware that higher pigment loads will possibly diminish the special effect and properties of the ink as well as causing the prints to crock.

Mesh—Use 83-160/inch (34T-64T cm) screen mesh.

Squeegee—70 durometer or 70/90/70 triple durometer squeegees are recommended

Stencils—Thick stencils produced with direct emulsions or capillary films produce the best results.

Printing Method—Use light squeegee pressure in order to leave the ink on the surface of the fabric. Too much squeegee pressure will drive the plastisol ink into the fabric producing unfavorable results.

Curing—A full cure is achieved at 320°F (160°C). Because of the ink film thickness of prints, 820PF colours will require longer dwell times inside the drying chamber and higher temperatures to fully cure the puffed prints.

Ink Cleanup—Use Enviro Series 2000 Green or Enviro Series TR Blend.

Storage—820PF Foam Grip Base or colours created with this base and pigment concentrates should be stored at temperatures less than 30°C/84°F. Extended storage in warmer conditions can cause inks to thicken.

Colours—Mixing Base, Lemon Yellow, Lt Gold, Gold, Orange, Bright Red, Violet, Bright Blue, Light Blue, Bright Dallas Green, Black and White.

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 pigment or additive other than a pigment or 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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