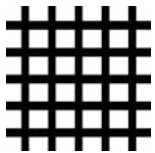


TECHNICAL DATA SHEET

SHORT DESCRIPTION:

Screen printing plastisol reflective ink is now easier and more effective. Lumiflect inks can print through a variety of screen mesh allowing better detail and softer prints. The reflective properties have also greatly improved over the EZ Reflecto Series.

QUICK SPECIFICATIONS:



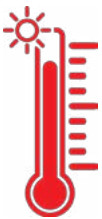
MESH COUNT
86 to 180

110 monofilament screen mesh is recommended for most prints. If detailed art work requires finer mesh, Lumiflect will do a great job. However, try to get as much ink deposit as possible without underbasing or using a print-flash-print technique.



FLASH CURE
N/A

Never underbase or print-flash-print with Lumiflect. This ink must be printed directly onto the fabric. If you flash and print a second layer of ink, Lumiflect will not reflect very well.



INK CURING
320°F to 330°F

Washing and drying your prints to check durability is the ultimate test of ink curing. However, the use of Thermolabels is the most sensible method of testing for your day-to-day operations. This will help you prevent cracking, peeling, and washout.



SQUEEGEES
70 Durometer

Squeegees are one of many variables controlling your ink deposit. Softer squeegees are capable of printing thicker while hard squeegees allow for better print resolution. 60 durometer is soft. 70 durometer is medium. 80 durometer is hard.



CLEAN UP
PW-4 or IR-26

Many cleaning products will remove plastisol ink. We recommend Saatchem PW-4 for cleaning on-press. The IR-26 is ideal when cleaning in a washout booth. Cleaning the ink out of the screen immediately after printing is always recommended.



TECHNICAL DATA SHEET

LUMIFLECT BENEFITS:

- Fashion reflective for use on cotton and poly/cotton.
- Best option for printing plastisol reflective ink.
- Very easy-to-print alternative to heat press material.
- Far less expensive per print when compared to heat press material.
- Available in 3 colors: metallic gold, (metallic) silver, and dark gray.

IDEAL CURING GUIDELINES:

Cure the Lumiflect inks at the temperatures listed below (measure with a Thermolabel). Curing is a time and temperature process. A lower temperature with a slower belt speed is always the best method.

100% Cotton	Poly/Cotton	Polyester	Nylon/Stretch	100% Nylon	Polypropylene	Rayon
320°F	320°F*	X	X	X	X	X

*100% cotton is the best fabric for printing plastisol reflective inks. Lumiflect inks must absorb into the fabric for it to reflect well. Also, curing at a higher temperature may give you better reflecting properties.

TIPS AND TRICKS:

- Never print-flash-print or underbase Lumiflect inks.
- Consider placing the printed garment into the dryer after waiting about 30 seconds. This will give the ink more time to sink into the fabric and reflect better.
- Curing the ink a little hotter or for a little longer time will help it reflect stronger.
- We cannot manufacture custom colors in the Lumiflect. If you require special colors, consider the EZ Reflecto Series.
- Lumiflect Dark Gray was developed with safety yellow and safety green tees in mind. This color will give you great contrast with excellent reflective qualities.

Always perform a pretest print and test cure conditions on the fabric to be printed to establish the best results. Stir inks vigorously before each use. Viscosity may need adjusting for best results. If there is ever a question about a print job, call us at 800-942-4447. We are always happy to help!