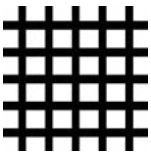
SOLARMAX SERIES

TECHNICAL DATA SHEET

SHORT DESCRIPTION:

Color-changing plastisol inks will certainly give your customers a surprise. Solarmax inks will be mostly clear indoors. Once exposed to sunlight, a vivid color will appear. This allows you to print white tees and have color hidden in the design.

QUICK SPECIFICATIONS:



MESH COUNT
86 to 180

This is a recommendation only. Thin prints will appear much more clear on the white fabric. However, thick prints will be much more vivid when exposed to sunlight. Depending which look is more important, you may want to lean towards fine or coarse mesh.

FLASH CURE
3/5: Average

The rating of **AVERAGE** implies a flash cure performance similar to most plastisol inks. Due to the great number of variables involved, we cannot specify a specific flash time or temperature. However, this ink should flash dry like most inks you have printed before.

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 Saatichem 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.

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SOLARMAX SERIES BENEFITS:

- Unique effect some people have never seen before.
- Very easy to print special effect ink.
- 3 colors to choose from.
- Awesome ink for tourist areas.

IDEAL CURING GUIDELINES:

Cure Solarmax Series 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	320°F*	X	X	X	X

*Solarmax Series inks are formulated for use on white fabric or on top of a white ink. Screen printing white polyester is perfectly acceptable. Please test before printing Solarmax Series inks on top of any color of 100% Polyester.

TIPS AND TRICKS:

- Print a thin ink deposit to make the ink “disappear” on white fabric indoors.
- Print a thick ink deposit to make Solarmax extremely vivid in sunlight.
- Consider printing Solarmax blue, red, and yellow instead of cyan, magenta, and yellow in a four color process print. This will possibly give you black line art indoors and a vivid full color print in sunlight.
- Be very careful storing Solarmax Series inks as they do have a shelf life. Storage under 77°F is necessary.

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!