

TECHNICAL DATA SHEET

SHORT DESCRIPTION:

Versamax Series is a universal ink for screen printing virtually any fabric. This can be a great ink choice if you print mostly cotton, poly/cotton, and nylon with just a little 100% polyester. Versamax Series inks have a soft, stretchy feel making it great on most clothing.

QUICK SPECIFICATIONS:



MESH COUNT
86 to 158

This is simply a recommendation based on printing difficult fabrics such as 100% polyester. Preventing dye migration requires a generous ink deposit. However, Versamax Series inks will print through finer mesh with ease.



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 SaatchiChem 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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VERSAMAX SERIES BENEFITS:

- Very good coverage on dark fabrics without a lot of puff.
- Perfect for a printer wanting only one ink in their shop for all printing.
- Very good bleed resistance on 100% polyester.
- Softer hand feel when compared to our other “universal” inks.
- Creamy ink viscosity for manual and automatic screen printing equipment.

IDEAL CURING GUIDELINES:

Cure the Versamax Series 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 | 320°F* | 320°F | X | X |

*Versamax Series inks are very stretchy. However, when printing some spandex or lycra blends, adding S-Additive may be necessary. 10% S-Additive to 90% ink is the recommended mixing ratio. Never exceed 15% S-Additive into any ink.

TIPS AND TRICKS:

- Versamax Series white and colors offer great opacity and bleed resistance. If you ever want to improve upon this, consider a high solids emulsion or simply more coats of emulsion to create a thicker stencil.
- Versamax Series is not highly recommended on sublimated polyester fabrics, even with the addition of ELT Digital Black Underbase. Consider Versamax Extreme Series.
- Versamax Series colors can be printed directly on dark fabrics without a white underbase. Simply print-flash-print the color to get great opacity.

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!