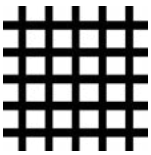
180 SERIES: SUPER GEL

TECHNICAL DATA SHEET

SHORT DESCRIPTION:

Super Gel has many uses. Print directly onto gray or dark fabric for a high gloss tone-on-tone look. Print over any plastisol ink for a high gloss gel appearance. Underbase with Super Gel to give an ink some extra stretch.

QUICK SPECIFICATIONS:



MESH COUNT
86 to 110

This is simply a recommendation based on printing thick gel prints. 180 Series Super Gel will easily print through finer mesh counts when necessary for detailed art work. However, this will effect the total effect of the print as thicker prints are far more noticeable.

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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SUPER GEL BENEFITS:

- Very simply special effect as this prints just like any other plastisol ink.
- Numerous possibilities as you can print Super Gel over or under other plastisol inks for different effects.
- You know when Super Gel is fully cured as it will be crystal clear.
- Extremely high gloss.

IDEAL CURING GUIDELINES:

Cure Super Gel 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

*Super Gel on polyester is great as a tone-on-tone effect. Due to dye migration, Super Gel is not ideal as an underbase or an over-print.

TIPS AND TRICKS:

- The thicker you print this ink, the more effect you will see.
- If Super Gel looks cloudy when it is out of the dryer, you did not fully cure the print. Change the dryer temperature and send the print through the dryer again.
- Using thick capillary films to enhance the appearance and height of the Super Gel is a fantastic idea.

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!