

**FEATURES**

- Eco-Friendly, High performance, High Pigment (HP) Color Mixing System for 100% Cotton (light & dark fabrics).
- Gen IV Series inks do not contain PVC, Phthalates, Organo-Tin Compounds, AZO, Heavy Metals, PCP, APEO, Poly Chlorinated Biphenyls or Pesticides.
- Easy to print inks that resist drying in the screen and clean up with water.
- Opaque plastisol like colors with excellent film strength for light and dark fabrics.

**Application & Storage Information**

<b>RECOMMENDED FABRICS</b>	100% cotton and some light-colored polyester fabrics. Always test print fabric before beginning a production run.
<b>INK APPLICATION</b>	The Gen IV Series inks are ready to use and can be printed right from the container. Inks should be tested for color accuracy, crocking and wash fastness on the material or fabric to be printed before beginning production run. Inks should not be left in screens overnight.
<b>SCREEN MESH AND EMULSION</b>	86 to 305 (t/in) 34 to 120 (t/cm) Monofilament Any direct or indirect <u>water resistant emulsion</u> . Use a 20 to 30 micron capillary film.
<b>SQUEEGEE</b>	60 - 70 Durometer: Sharp Edge 60-90-60 or 70-90-70 Triple Durometer: Sharp Edge
<b>DRYER TEMPERATURES</b>	320°F to 350°F (160°C to 175°C) The Gen IV Series inks do not achieve proper curing until all the water is removed from the ink film and the binder is heated sufficiently to cross link. Wash test product before beginning a production run.
<b>CLEAN-UP</b>	Water.
<b>PRODUCT PACKAGING</b>	Quart, 1 Gallon, 5 Gallon, 30 or 50 Gallon Containers.
<b>STORAGE OF INK CONTAINERS</b>	Recommend storage at 65°F to 90°F (18°C to 32°C). Avoid storage in direct sunlight or under extreme temperature conditions.
<b>PRODUCT MSDS</b>	Refer to material safety data sheet Gen IV - K2 Series.

**CONTAMINATION OF INK**

This ink should not be modified or come into contact with any product not recommended for the system. Addition of any products or contact by products other than those recommended can contaminate the system and the system may no longer comply with restricted substance standards. Make sure that all mixing spatulas, mixing blades, squeegees, flood bars and screens are thoroughly cleaned (free of inks or materials which may contaminate the product) before use.

**IMPORTANT INFORMATION**

1. Gen IV Series inks are not low bleed inks. On some fabrics, bleeding or dye migration may occur. Always test print the fabric to be used before beginning production. Bleeding or dye migration may not occur right away.
2. Gen IV inks require heat to dry and 60 to 90 second retention times in the dryer to obtain proper curing and wash fastness. Exact time and temperature should be optimized based on the type of dryer used and the type of print being run. Wash test printed product before beginning a production run.
3. Gen IV Series inks will spot dry in 4 to 7 seconds depending on the type of flash unit used. Ink should just be dry to the touch when spot dried. Pre-heat cold pallets before final adjustment of flash unit for optimum flash times.
4. Gen IV Series ink containers should be tightly sealed when not in use and not left open for extended periods of time when in use.
5. Gen IV Series inks can be thinned or reduced with water if needed. When reducing the ink with water, make sure to thoroughly mix the water into the ink before using again.
6. GEN IV inks resist drying on the screen. When printing is halted for a short time, leave the screen flooded. After the break, 4 or 5 print strokes will clear the screens and regular printing production can resume. For extended breaks (60-minutes or more), it may be necessary to bring all the ink to the side of the unexposed area of the screen and clean the image area with water. This would especially be true in hotter climates.

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**GEN IV SERIES INKS**