



# BLACK JACK

**DIGITAL  
SUBLIMATION  
INK**

## Product Description:

Digital Water-based sublimation ink for inkjet printing.

## Main Features:

- Very intense and brilliant colors allowing you to obtain a very wide color gamut during the profiling phase.
- Great wash, light and perspiration fastness.
- Quick drying.
- The inks will not change the feel and flexibility of the fabric.
- Excellent edge definition.
- Excellent ink release.
- Environmentally friendly.

## Applications:

- For the dye sublimation transfer of printed sublimation papers onto synthetic fabrics for sportswear, mouse pads, fashion clothing or point of purchase displays requiring a synthetic fabric.
- This can also be used on rigid materials that are pre-treated for the sublimation inks. The primary use for these materials are mostly, but not limited to, bicycle helmets, glass, snow skis, snow boards, bicycle frames and tennis rackets.

## Application Process:

Sublimation ink technology is based on the performance features of certain dyes that are created to heat sublime which permanently dye the textile fibers in synthetic materials within the heat transfer sublimation process. The production of the sublimated printing and transfer is completed in four different phases of production;

1. The printing of sublimation ink on to a special paper.
2. Allowing the printed inks to dry sufficiently on the paper.
3. The transfer of the printed paper onto the recommended fabric or treated substrate.
4. The time and temperature of the transfer phase, completed by a controlled flatbed or calendar heat transfer press.

The ink comes in a press-ready states and the inkjet printing can be fed through and external bulk-feeding system, please call Las Vegas Digital for details on a bulk-feeding ink system. The Black Jack ink series is compatible with Mimaki, Epson, Roland, Mutoh, D-Gen, Velotex, and other printers using Piezo Electric print heads. Black Jack dye sublimation ink is licensed for use on inkjet printers that are 42" or wider.

## Storage and Use:

Keep the sublimation ink away from strong light sources and direct heat.

It is recommended to let the product reach a room temperature of approximately 68°F to 75°F and 30 to 60% humidity for 24 hours prior to using the product within production.

## Products Available:

Description	Part Number	Container Size
Black	DIG600610	1 liter
Magenta	DIG600630	1 liter
Cyan	DIG600651	1 liter
Yellow	DIG600615	1 liter

## Wash-Fastness Testing

Color	Part Number	Class	Wash Fastness – EN ISO				
			105B02	105C02	105E04		
Yellow	DIG600615	B	6-7	4-5	4-5		
Magenta	DIG600630	C	6-7	4-5	5		
Cyan	DIG600651	C	5-6	4-5	4-5		
Black	DIG600610	B/C	6	4-5	4-5		
Class = Color Intensity							
A = 356°F Transfer		B = 374°F Transfer		C = 392°F Transfer		D = 410°F Transfer	
ISO EN 105B02 = Light Fastness							
ISO EN 195C02 = Wash Fastness							
ISO EN 105E04 = Perspiration Fastness							



6635 South Tenaya Way, Suite 100

Las Vegas, Nevada 89113

P - 702-655-3300

F - 702-656-4700

Order Securely On-line at

[www.govegasdigital.com](http://www.govegasdigital.com)

Always test the inks through your digital printing system and heat-transfer process before use. Please refer to the MSDS sheet for additional safety precautions.