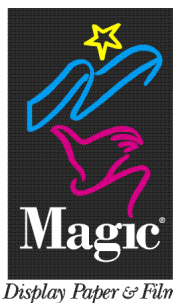


MAGIC® PRODUCTS APPLICATIONS GUIDE



FAB-6

INK JET POLYESTER INDOOR/OUTDOOR FABRIC BANNER

MAGIC® FAB-6 is a 6.8 mil 100% polyester woven fabric ideal for producing flags, displays, window decorations, pop-up displays, and window backlights. FAB-6 has a universal coating that allows it to be compatible on a wide variety of thermal and piezo ink jet printers.

PHYSICAL PROPERTIES

Total Caliper:	6.8 mil	173 microns
Basis Weight:	115 g/m ²	3.3 oz/yd ²
Gloss (60°):	1.0 (matte)	
Whiteness:	93	
Brightness:	90	
% Opacity:	75%	
Flammability Rating:	Class A according to ASTM E84	
Indoor Life Expectancy:	1 year with pigmented inks (unprotected)	
Outdoor Life Expectancy:	6 months with pigmented inks (unprotected)	

APPLICATIONS GUIDELINES

Printer & Ink Compatibility:	FAB-6 is compatible on Hewlett-Packard DesignJet®, Encad, Colorspan, and water-based piezo printer systems. The universal coating can be used with both dye and pigmented inks. Pigmented inks offer a more stable image from light fade than dye inks. Please note that due to the natural weave of the FAB-6 banner, non-uniform solid fill can occur when printing on Encad systems with GO inks. An uneven drying pattern occurs especially in green colors.
Printer Settings:	To optimize print quality, printers should be set for "Enhanced Multi-pass" print quality mode for Encad printers, "Heavy Coated" for HP printers. The recommended maximum ink saturation level is 300% for all printer types. Ink saturation limits can vary due to ink types, ink drop volume and humidity, so ink saturation levels should be optimized for specific printer, ink and software combinations. Dry times will also vary depending on printer, ink, and printing environment.
Printing Environment:	FAB-6 work best when printed in an environment between 18-30°C and between 20-80% RH. Ink dry time will be longer at higher RH conditions.
Calibration:	ICC color profiles can be obtained for selected RIP, ink and printer combinations on the web page identified below. Profile solutions are continually being generated, so consult the web page for current availability.
Material Handling:	Store unused material in its original packaging. FAB-6 is water-resistant and will not run or bleed when wet; however, the inks will smudge if rubbed when wet. Washing or dry cleaning of the material is not recommended. Any loose threads should be removed before printing to prevent contact with cartridges or printer components. Be certain ink is completely dry prior to handling.

FINISHING RECOMMENDATIONS

Installation:	Improper installation can cause premature banner failure. It is recommended that a professional installer be used.
Tape & Hem:	Standard high-tack banner tape can be used but can alter the burning characteristics of the material. Follow the guidelines of the tape manufacturer. If sewing, it is recommended to stitch in non-imaged borders to prevent coating scratching in high ink areas. Heat knives should be used to cut final graphics to eliminate fraying on ends. It is recommended to cut fabric on a glass surface with a metal ruler to prevent browning of edges. FAB-6 can be heat welded back to back.
Grommeting:	Grommets should be placed in the hemline along the length of the banner so that the grommet is through two layers of the fabric. Corner grommets should be placed where the length and width hems cross, so that the grommet is through four layers. For added strength, Banner-Ups®, Power-Tabs®, Power-Tape® are options to consider (www.bannerups.com).
Surface Protection:	Be certain that graphic is completely dry prior to overlamination. Liquid laminates can be used to increase surface durability. Always pretest oversprays for compatibility prior to use. The flammability and handling characteristics of the fabric may change when protection is applied. Use pigmented inks for a more stable image from light fade.

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**For more information, call 1-800-628-8604,
or visit our website: www.magicinkjet.com**

*Most updated version of this guide can be obtained on our website.

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