

PRODUCT APPLICATIONS GUIDE

magiclée

FAB-6

InteliCoat



Digital Imaging
Substrates

INK JET POLYESTER INDOOR/OUTDOOR FABRIC for Aqueous and Solvent Ink Jet Printing Systems

FAB-6 is a 6.8 mil 100% polyester woven fabric ideal for producing indoor flags, displays, window decorations, pop-up displays, window backlits, and outdoor banners. FAB-6 has a unique ink jet coating that allows it to be compatible on most aqueous and solvent ink jet printers.

PHYSICAL PROPERTIES

Total Caliper:	6.8 mil	173 microns
Basis Weight:	115 g/m ²	3.4 oz/yd ²
Gloss (60°):	1.0 (matte)	
Whiteness:	93	
Brightness:	90	
% Opacity:	75%	
Flammability Rating:	Class A according to ASTM E84	
Fire certificate	In compliance with Germany B1 fire regulations testing	
Life Expectancy with pigment inks:	1 year indoor (unprotected) / 6 months outdoor (unprotected)	

APPLICATIONS GUIDELINES

Printer & Ink Compatibility:

FAB-6 is compatible on Hewlett-Packard DesignJet®, Canon iPF series, Epson Stylus series, and other water-based piezo printers. The universal coating can be used with both dye and pigment inks. Pigment inks provide a more stable image from light fade. FAB-6 can be used on most solvent ink jet and Eco-solvent printers such as: MimakiJV3, Mutoh Toucan, Seiko, Vetek, Scitex, Roland Versa Camm, etc.

Printer Settings:

To optimize print quality, printers should be set "Heavy Coated Paper" on HP printers. The recommended ink saturation level is 300% for all printer types. If increased density is wanted, the fabric can accept 400%, but some bleeding will occur at higher saturation areas. Use no or minimal vacuum pressure to prevent fabric creases that may induce headstrike. For solvent printers, 120 °F for both pre and printer heaters are recommended. These settings are a good starting point.

Printing Environment:

FAB-6 works best when printed in an environment between 18-30°C and between 20-80% RH. Ink dry times will vary depending on printer, ink, ink drop volumes, and printing environment (humidity).

Material Handling:

Store unused material in its original packaging. FAB-6 is water resistant and will not run or bleed when wet; however 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

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. Fabric 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 finishing. Liquid laminates are compatible and provide excellent surface protection. Always pretest oversprays for compatibility prior to use. The flammability and handling characteristics of the fabric may change when protection is applied.

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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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