

MAGIC® APPLICATIONS GUIDE

InteliCoat



Digital Imaging
Substrates

FAB-FR™

Flame Retardant Luster Woven Polyester Fabric for Eco-Solvent & Solvent Ink Jet Printing Systems

MAGIC® FAB-FR™ is a 6 mil flame retardant, luster, woven polyester banner fabric for solvent inkjet printers. FAB-FR is in compliance with the NFPA 701 standard method of fire test for flame retardant materials. This banner fabric has a quick drying water resistant ink jet coating that provides excellent image quality and color resolution. FAB-FR is ideal for both indoor and outdoor soft signage and decorative displays. FAB-FR is designed for eco-solvent and true solvent printers such as Roland, Mutoh, Mimaki, Vutek, and Seiko.

PHYSICAL PROPERTIES

Total Caliper:	6.0 mil	153 microns
Basis Weight:	142 g/m ²	4.2 oz/yd ²
Gloss (60°):	11	
Whiteness:	100	
Brightness:	72	
% Opacity:	90	
Flammability Rating:	As manufactured, meets performance requirements as stated in NFPA 701 method.	

APPLICATION GUIDELINES

Printer & Ink Compatibility:

FAB-FR is designed for eco-solvent and solvent ink jet printers such as: Roland, Mutoh, Mimaki, Vutek, and Seiko.

Printer Settings:

To optimize print quality, printers should be set for the highest print quality. Suggested heater settings are 40 °C for pre heat, and 34 °C for print heat. These settings are a good starting point.

Printing Environment:

FAB-FR 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-FR is water resistant and will not run or bleed when wet; however inks will smudge if rubbed when wet. 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.

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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