

MAGIC[®] APPLICATIONS GUIDE



GFBL5

5 mil Polyester Film for Vutek Grand Format Printers

MAGIC[®] GFBL5 is a 5 mil polyester film for use in Vutek grand format printing systems. GFBL5 is a backlit film recommended as a front printing and viewing film where high density can be achieved. It is ideal for backlit signage applications, and provides maximum transmitted and reflected ink density, ensuring vivid color and high image resolution. GFBL5 can also be used in backprint applications in cases where the display surface will not be protected by Plexiglas and will be exposed to repeated contact.

PHYSICAL PROPERTIES

Caliper	.58 mils
	.148 microns
%Opacity	.58 % (+/-5)
Gloss of Print Side (75°)	2.9
Gloss of Film Side (75°)	102
Whiteness (white backing)	.60
Optimum Printing Environment	.70°F (30-70% RH)
Recommended Printing Devices	Vutek Printing Systems
Roll Size	.60" x 300'

APPLICATIONS GUIDELINES

- Imaging:** The print side is the matte side and is wound to the outside of the roll. If GFBL5 is being used in a backprint application where the display surface will not be protected, the print needs to be printed in reverse (mirror image) and viewed from the gloss side. Expect lower density results when used in backprint applications.
- Printer Settings:** To optimize print quality, printers should be set for highest print quality. Recommended printer settings for a Vutek 2360/3360 are: 100% ink saturation, Default Dot Range (Ultra Max), No Pre-heat, 90°F Post-heat, 130°F IR heat, and minimum back roller pressure (45 lbs). Excessive heat may cause film to deform.
- Compatibility:** GFBL5 can be used on Vutek printing systems that are equipped with solvent-based piezo inks.
- Waterfastness:** Solvent pigmented inks have excellent water resistance when used in conjunction with GFBL5. Lamination with encapsulation is the best way to ensure complete waterfastness.

FINISHING RECOMMENDATIONS

- Image Protection:** Print an image on the matte side of the product and sandwich between two layers of Plexiglas for image protection. When the product is being used as a backprint, print in mirror image and view from the glossy side. This protects the inks imaged on the surface in the light box, exposing the durable polyester film surface to the outside elements.
- Lighting:** To optimize image appearance, the image should be back illuminated, as transmitted light yields the desired ink densities. Viewing with reflected light yields only slightly lower ink saturation than with transmitted light.

USA
28 GAYLORD STREET
SOUTH HADLEY MA 01075-2894

©2002 IntelliCoat Technologies. All rights reserved.

IntelliCoat Technologies

**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.

SALES OFFICES: AUSTRALIA
BRAZIL
THENETHERLANDS
10218

12/4/02