

MAGIC[®] APPLICATIONS GUIDE

GFCVM

IntelCoat



Digital Imaging
Substrates

INK JET STRETCH CANVAS FOR SOLVENT INK PRINTER SYSTEMS

MAGIC[®] GFCVM is an acid-free, matte finish, artist stretch canvas designed for long-term, fade resistant fine art or photo reproductions when imaged with solvent and eco-solvent ink jet printers. The polyester/cotton blend canvas has a specifically designed coating which delivers superior color gamut and resolution. GFCVM has the added bonus of water resistance when printed with solvent inks.

PHYSICAL PROPERTIES

Caliper	.....15 +/- 3 mil	..... 375 microns
Basis Weight	.....300 +/- 45 g/m	..... 8.8 oz/yd
Gloss (60 °)	.....3.9	
Whiteness	......81	
Optimum Printing Conditions	..... 70 °F	(35-70% RH)
pH value	......72	
Flame Spread Classification	.....Class B,	based on ASTM E84 test method

APPLICATIONS GUIDELINES

Printer & Ink Compatibility:	GFCVM may be printed in most solvent and eco-solvent printing systems such as: Vutek, Mimaki JV3, Mutoh Falcon Outdoor II, Seiko 64S, Seiko 64S/100S, Roland Soljet II, and Roland Versa Camm, etc.
Printing:	Ink coverage of up to 250% is recommended. Suggested heater settings: pre-heat 58° C, print heat 52° C. Due to the heavy weight of the canvas, feed rate through the printers may not be consistent, causing prints to differ slightly in size from print to print or from the expected size after RIP'ing. To optimize print quality, printers should be set for highest print quality. ICC color profiles for Magic brand products can be obtained for selected RIP, ink and printer combinations on the magicinkjet.com web page. Profile solutions are continually being developed and the web page updated, so periodically consult the web page for profile availability.
Base Consistency:	The imaging layers of the material will be consistent, yielding repeatable image performance, but due to the material being a natural base, white point and fabric weave can vary from lot to lot of material.
Mounting:	After printing, material should be permanently attached to a rigid board or frame with staples or tacks. Using glue or pressure sensitive adhesives is not recommended, as this does not prevent the material from natural environmental shrinkage over time. When the material shrinks, the adhesive may fail, causing edges to curl and possible delamination. Shrinkage may also cause spacing between paneled job not mounted properly. All edges of the material should be affixed to the mounting surface to prevent the edges from curling. All canvas is susceptible to edge cracking if stretched improperly. Refer to the technical bulletin "Mounting Canvas onto a Stretcher Frame" on the Magicinkjet.com web site.
Water Resistance:	GFCVM has a high degree of water resistance due to the use of solvent inks. The water resistance may be affected if the recommended ink saturation level is exceeded.
Surface Protection:	Liquid laminates are compatible and provide excellent surface protection. Always pretest the liquid laminate for compatibility prior to using. Clearstar's Clearshield Type C Gloss formula is recommended, except when using HP Latex inks. Clearstar website: www.clearstarcorp.com. It is not recommended to overlaminate with pressure sensitive laminates because they do not have complete contact with the surface of the textured canvas. Delamination can result.
Material Storage:	Unimaged material should be stored at 72 °F (+/-5 °) for no more than 1 year. After use, the roll should be stored in its original packaging in the poly bag for no more than 1 year.

PRINTER LOADING INSTRUCTIONS

GFCVM may be loaded into the printer in roll or sheet form. Before loading canvas, the cutting mechanism MUST be turned off or removed. If you do not turn off the cutter, the printer head may jam during the cutting sequence. Once the canvas is loaded, and before printing, advance the front edge 2 to 3 inches past the printhead to avoid head strike. After a print is completed, manually cut the print from the roll and remove the roll from the printer.

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