

MAGIC® APPLICATIONS GUIDE



MAGIC® COATED MATTE PAPERS

Magic® brand features a range of quality, coated matte papers designed specifically to provide impressive performance-to-cost value for graphic art and prepress applications. Each of the five options, ranging from 98 g/m² to 212 g/m², offers high opacity, bright white appearance and optimal color gamut. Full-color images print cleanly and crisply even with ink saturation levels up to 200%. Magic® coated matte papers are compatible with pigment and dye inks. GFIO P212RG is compatible with solvent ink. Fast dry times and easy lamination make these coated matte papers excellent choices for high-volume production applications.

PHYSICAL PROPERTIES

Property	DMPG98	DMPG100	DMPG132	DMPG170	GFIOP212RG
Basis Weight (g/m²):	98	100	132	170	212
Basis Weight (oz/yd²):	2.8	2.9	3.9	5.0	6.2
Caliper (mils):	4.7	4.7	6.5	7.5	9.9
Caliper (microns):	120	120	166	191	253
Whiteness:	117	114	125	117	83
Brightness:	93	100	99	99	89
%Opacity:	87	92	97	98	95

APPLICATION GUIDELINES

Printer & Ink Compatibility:

For complete media compatibility information, consult our media compatibility references located at www.magicinkjet.com. Pigmented inks offer greater resistance to UV fade.

	Colorspan DisplayMaker DesignWinder		Encad Novajet II, III, Pro, ProE 500-800		HP2000/3000 series		HP500/800/1000 650/750 series		HP5000		Raster Arizona		Piezo	
	Dye	UV	Dye	UV	Dye	UV	CMY Dye, K UV	Dye	UV	Solvent UV	Dye	UV		
DMPG98					X	X	X	X	X			X	X	
DMPG100	X	X	X	X			X	X				X	X	
DMPG132	X	X		X	X	X	X	X	X			X	X	
DMPG170	X	X	X	X	X	X	X	X	X			X	X	
GFIOP212RG										X				

Printer Settings:

To optimize print quality, printers should be set for unidirectional printing and "Enhanced Multi-pass" for NovaJet printers, and "Heavy coated" mode for HP printers. The recommended ink saturation level is 200% for all papers. Ink saturation limits can vary due to ink types, ink drop volume, and humidity. Ink saturation levels should be optimized for specific printer, ink, and software combinations. Over saturation will result in paper cockle and possibly head strike.

ICC Profiles:

ICC profiles can be obtained for selected RIP, ink, and printer combinations on the Magic website. Profile solutions are continually being generated; so consult the web page for current availability.

Material Handling:

Store unused material as well as prints waiting for lamination or mounting in an environment less than 50% RH. High humidity can cause the paper to absorb moisture, and this will interfere with lamination adhesion and print performance.

FINISHING RECOMMENDATIONS

Lamination:

Before laminating, be sure the print is completely dry and that the paper is not exposed to high humidity conditions. Presentation papers can be over laminated with most cold laminates and low temperature hot laminates. When a paper is over laminated with heavy gauge laminates and either mounted to a board or encapsulated, overlap the image with a 0.25-inch safe edge of laminate. This will seal the paper preventing moisture absorption and paper splitting from the undue stress of the laminating films. Use laminates of equal gauge when encapsulating to prevent image curl.

Mounting:

Cold, pressure-sensitive adhesives typically provide the most aggressive bonds and are recommended for use with all presentation grade papers.

USA
28 Gaylord St.
South Hadley, MA 01075-2894

InteliCoat Technologies

For more information, call 1-800-628-8604
Or visit our website at www.magicinkjet.com

Sales Offices:
Australia
Brazil
The Netherlands

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

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