

**COATED MATTE PAPER**  
**DMPG190 C2S**  
190 GSM Two-Side Matte Ink Jet Paper

*Making all Great Images Count*



[www.magicinkjet.com](http://www.magicinkjet.com)

**MARKET APPLICATIONS**

Proofing applications  
Excellent choice for two-sided printing applications

**PRODUCT DESCRIPTION**

**DMPG190 C2S**

Heavyweight, coated matte presentation paper  
190 gsm, 98 bright, high opacity  
Two-side coated

**GENERAL AVAILABILITY**

<b><u>DMPG190 C2S</u></b>	<b><u>Part #</u></b>
36" x 10'	20440
36" x 90'	20441
42" x 90'	20442
50" x 90'	20443

**FEATURES & BENEFITS**

- Full-color images print clean and crisp on this heavy-weight paper, even with ink saturation levels up to 200%.
- Fast dry times and easy lamination with cold lams.
- High opacity to minimize show-through.
- Bright white appearance and optimal color gamut.

**PRINTER COMPATIBILITY**

- Compatible printers include HP DesignJet®; Epson Stylus® 9000/9500/9600/10,000; Encad NovaJet® Pro/ProE; ColorSpan DisplayMakers®; and other piezo, water-based systems.
- Compatible with pigment (UV) and dye inks, with pigmented inks offering greater resistance to UV fade.

See product application guide at [www.magicinkjet.com](http://www.magicinkjet.com) for additional details regarding printer settings plus finishing and lamination guidelines.

\* For complete Magic® product set, refer to Magic Media Printer Ink Set Compatibility Chart

\* For ICC profile availability, see [www.magicinkjet.com](http://www.magicinkjet.com)

**Phone:** 1-800-628-8604

**Fax:** 1-800-861-4128

**Disclaimer:** Information presented in this product sellsheet is intended to offer a useful reference in selecting media for your output. No media warranties are implied unless specifically mentioned. Printer and / or ink changes may affect results. The most current product information may be found at [www.magicinkjet.com](http://www.magicinkjet.com).

**Date:** October 2005

# MAGIC® PRODUCTS APPLICATIONS GUIDE

## DMPG190 C2S

### Coated Two Side Matte Presentation Paper



MAGIC® brand features a 2 sided heavy weight coated matte presentation paper designed specifically for 2 sided media and proofing applications. The 190 gram paper offers high opacity, bright white appearance, and optimal color gamut. Full-color images print clean and crisp, even with ink saturation levels up to 200%. Fast dry times and easy lamination make this paper an excellent choice for 2 sided applications.

#### PHYSICAL PROPERTIES

Caliper . . . . .	9.2 mil
Basis weight . . . . .	195 g/m <sup>2</sup>
% Opacity . . . . .	99%
Whiteness . . . . .	120
Brightness . . . . .	98

#### APPLICATIONS GUIDELINES

**Printer and Ink Compatibility:** Magic® coated matte presentation papers are compatible with pigment (UV) and dye inks. Pigment inks offer greater resistance to UV fade. DMPG190 C2S presentation paper may be printed on Hewlett-Packard Design Jet®, Canon iPF series, Epson Stylus® 9000/9500/9600/10,000, Encad NovaJe® Pro/Proe, Color-Span® Displaymakers, and other piezo water-based systems.

**Printer Settings:** To optimize print quality, Encad printers should be set for uni-directional printing and “Enhanced Multi-pass”, and “Heavy Coated Paper” for Hewlett-Packard printer systems. The recommended maximum ink saturation level is 200% for all paper types. If using DMPG190 C2S for two-sided image applications, ink limits on Encad printers are 100%. Ink saturation limits can vary due to ink types, ink drop volume and humidity, so ink saturation levels should be optimized for specific printers, ink, and software combinations. Over saturation will result in paper cockle and possibly head strike. This paper works best in an environment between 18-30°C or 65-86°F and between 30-70%RH. Longer ink dry times will occur at higher RH environments.

**Material Handling:** Store unused media in its original packaging. Images should be stored in an environment with 50%RH or less. Papers can absorb moisture in high humidity making ink dry times longer or can interfere with proper laminate adhesion.

#### FINISHING RECOMMENDATIONS

**Finishing:** DMPG190 C2S matte presentation paper can be overlaminated with most cold laminates and low temperature hot laminates, but cold are preferred and give better adhesion results. Make sure the images are completely dry prior to laminating. Exceeding the recommended ink saturation level can affect laminate adhesion or make lamination difficult due to paper cockle. When the paper is overlaminated 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 heavy gauge laminating films. Use laminates of equal gauge when encapsulating to prevent image curl.

**Laminating:** Cold, pressure-sensitive adhesives typically provide the most aggressive bonds and are recommended for use with these products. Low temperature laminates can be used as well.

#### RECYCLE AND DISPOSAL



Disposal by recycling of ink jet media is the preferred method. Where recycle markets do not exist, disposal by land fill or an approved incinerator is acceptable. See the Magic Recycle Technical Bulletin @ [www.magicinkjet.com](http://www.magicinkjet.com).

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For more information, call 1-800-628-8604,  
or visit our website: [www.magicinkjet.com](http://www.magicinkjet.com)

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

12/04/07

# MAGIC<sup>®</sup> PRODUCT APPLICATIONS GUIDE

## COATED MATTE PRESENTATION PAPERS

InteliCoat



Digital Imaging  
Substrates

MAGIC<sup>®</sup> brand features a range of quality, coated matte presentation 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/m<sup>2</sup> to 212 g/m<sup>2</sup>, 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<sup>®</sup> coated matte presentation papers are compatible with pigment (UV) and dye inks. GF1OP212 is compatible with solvent ink jet printers. Fast dry times and easy lamination make these papers excellent choices for high volume production applications.

### PHYSICAL PROPERTIES

Property	DMPG98	DMPG132*	DMPG170**	DMPG190C2S*	GF1OP212
Basis Weight (g/m <sup>2</sup> )	98	132	170	195	212
Basis Weight (oz/yd <sup>2</sup> )	2.8	3.9	5.0	5.7	9.9
% Opacity	87%	98%	98%	99%	95%
Brightness	91	96	97	98	89
Whiteness	115	117	121	120	83

\*DMPG132 and DMPG190C2S are 2-side imageable. Max 100% ink on Encad's, 200% on other printers.

\*\*DMPG170 is pH neutral

### APPLICATIONS GUIDELINES

**Printer and Ink Compatibility:** The table below provides printer and ink compatibility data. The complete MAGIC<sup>®</sup> inkjet media compatibility chart can be obtained on our [www.magicinkjet.com](http://www.magicinkjet.com) website. Pigment inks offer greater resistance to UV fade.

Product	Water Piezo		Canon series		HP series		Encad		ColorSpan		Solvent
	Dye	Pig	Dye	Pig	Dye	Pig	Dye	Pig	Dye	Pig	Pigment
DMPG98**	*	*	*	*	*	*	*	*	*	*	
DMPG132**	*	*	*	*	*	*	*	*	*	*	
DMPG170**	*	*	*	*	*	*	*	*	*	*	
DMPG190C2S**	*	*	*	*	*	*	*	*	*	*	
GF1OP212											*

\*\* May be recycled.

**Printer Settings:** If using DMPG132 for two-sided image applications, ink limits on Encad printers are 100%. Ink saturation limits can vary due to ink types, ink drop volume and humidity, so ink saturation levels should be optimized for specific printer, ink and software combinations. Over saturation will result in paper cockle and possibly head strike. These presentation papers work best in an environment between 18-30°C or 65-86°F and between 30-70%RH. Longer ink dry times will occur in higher RH conditions.

**Material Handling:** Store unused media in its original packaging. Images should be stored in an environment with 50% RH or less. Papers can absorb moisture in high humidity conditions making ink dry times longer or can interfere with proper laminate adhesion.

**Color Profiles:** Color profiles can be obtained for a selected RIP, ink, and printer combination on the [magicinkjet.com](http://magicinkjet.com) web site.

### FINISHING RECOMMENDATIONS

**Lamination:** MAGIC<sup>®</sup> coated matte presentation papers can be overlaminated with most cold laminates and low temperature hot laminates, but cold are preferred and give better adhesion results. Make sure the images are completely dry prior to laminating. Exceeding the recommended ink saturation level can affect laminate adhesion or make lamination difficult due to paper cockle. When the paper is overlaminated 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 heavy gauge 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 these products.

### RECYCLE AND DISPOSAL



paper

Disposal by recycling of ink jet media is the preferred method. Where recycle markets do not exist, disposal by landfill or an approved incinerator is acceptable. See the Magic Recycle Technical Bulletin @ [www.magicinkjet.com](http://www.magicinkjet.com).

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

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