

SOLVENT INK JET PAPER

Magic® GFIOP140 & 212

Latex Paper

Making all Great Images Count



www.magicinkjet.com

MARKET APPLICATIONS

- Indoor / Outdoor Display Posters
- Backlit Transit Graphics
- Theater Posters, Promotional Signage
- POP Displays
- Digital Wallcovering (212 product)

PRODUCT DESCRIPTION

- 140 gsm (6 mils) and 212 gsm (9.9 mils)
- Latex-saturated, wet-strength paper
- High resolution, luster printing surface
- Heavyweight 212 product is designed for wallcovering

GENERAL AVAILABILITY

<u>Sizes</u>	<u>GFIOP140</u> <u>Part #</u>	<u>GFIOP212</u> <u>Part#</u>
42" x 200'	48743	
48" x 200'	48744	
48" x 1000' (6" core)	46556	
54" x 20'	46474	46476
54" x 150'	46473	67106
54" x 300'		66835
54" x 500'	46679	
54" x 1000'	46678	
60" x 200'	47014	47015
60" x 500'	44422	44423
61" x 1000' (6" core)	37121	37122

Core= 3", except were noted

FEATURES & BENEFITS

- Suitable for high-production solvent ink jet systems
- Great lay-flat
- Superior printer conveyance; fast, consistent drying
- Smooth surface offers exceptional print fidelity with a distinctive luster finish.
- Strong, flexible and durable; handles well when posted
- Resists cracking when folded
- Product may be laminated for additional protection.
- Products pass Class A flame spread (ASTM E-84-97A) as manufactured.

MEDIA COMPATIBILITY

GFIOP140 and GFIOP212 are compatible with most solvent ink jet printing systems.

- * For complete Magic® product set, refer to Magic Grand Format and Solvent Ink Jet Media Printer Ink Set Compatibility Chart.
- * For additional product details – including printer settings and finishing guidelines – see Application Guide under Tech Support of www.magicinkjet.com
- * For ICC profile availability, see www.magicinkjet.com

Phone: 1-800-628-8604

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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.

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Intellicat Technologies®

MAGIC® APPLICATIONS GUIDE

GFIOP140, GFIOP212

InteliCoat



Digital Imaging
Substrates

Indoor/Outdoor Poster Paper for Promotional Signage & Wallcovering Applications for Solvent Ink Printing Systems

MAGIC® GFIOP is a one-side coated paper designed to meet the demands of high production solvent and eco-solvent* ink jet printers. This latex-saturated, wet strength paper features a smooth surface which offers exceptional print fidelity with a distinctive luster finish. Strength, flexibility and durability are hallmark traits of GFIOP. It resists cracking when folded, and film lamination is not required in most intended applications. Product passes Class A flame spread tests (ASTM E-84) as manufactured.

PHYSICAL PROPERTIES

Parameter	GFIOP140	GFIOP212
Basis Weight	140 g/m ² (4.1 oz/yd ²)	212 g/m ² (6.2 oz/yd ²)
Caliper	6 mil	9.9 mil
Sheffield Smoothness	18	15
Tensile (MD/CD)	50/37 (lbs/in)	60/48 (lbs/in)
Tear Strength (MD/CD)	115/110 (g)	200/185 (g)
% Elongation	9.3/16 (%)	8/14 (%)
% Opacity	95%	95%
Whiteness	81	81
Gloss (75°)	55	42
Wet Expansion	2%	2.07%
Optimum Printing Conditions	70 °F (35-70% RH)	
Flame Spread Classification (ASTM E-84), Class A		

APPLICATION GUIDELINES

Printer & Ink Compatibility:

GFIOP140 & 212 may be printed in most solvent and eco-solvent printing systems such as: Mimaki JV3, Mutoh Toucan, Seiko, Vutek, Scitex, Nur, Roland Versa Camm, Roland Sol Jet, etc.

Printer Settings:

Optimized printer settings will vary from printer manufacturers. Recommended heater settings: pre heat 52 °C, and post heat 58 °C. *Note: Eco-solvent ink users. These products require slower print speeds and/or higher resolutions. Printing with 720X1440 dpi at 16 or 32 pass may be necessary. You must use the proper settings combined with the proper ICC profile.

FINISHING RECOMMENDATIONS

Surface Protection:

For indoor and outdoor applications, GFIOP140 & GFIOP212 will hold up for 3-6 months without lamination. It is recommended to overlaminate if graphic will be exposed to severe conditions or where longer life is needed. Pressure-sensitive overlaminates are recommended for outdoor graphics. Liquid laminates can be used for wallcovering applications. (Clearstar Clearshield formula is not recommended with HP Latex inks.)

Promotional Signage:

Designed for indoor and outdoor promotional signage. Handles well in all types of posting situations. Standard starch-based pastes may be used. Also recommended is Shu-Stik Ultra Billboard Adhesive Product #8750.

Decorative Wallcovering & Murals:

Can be pasted and hung just like standard wallcovering materials. Standard pastes such as Henkel Metylan Cellulose Wallpaper Paste provide adequate adhesion and allow for easier stripping when the wallcovering is to be removed or replaced. Mixing instructions for most standard wallpaper pastes include water measure for both high yield and high tack concentrations. The lower water measure is recommended for this product. Heavy duty pastes such as Supron Supro Clear 34, Harvest 1st Choice GH34, and Rowan Professional Heavy Duty Clear Pro 838 come premixed, have a more aggressive adhesive, and are recommended for more permanent applications.

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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 found on our website.

03/08/11

MAGICLEE® / MAGIC® APPLICATIONS GUIDE

MagicLée

COATED MATTE PRESENTATION PAPERS



MAGICLEE® and MAGIC® brands feature 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/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%. The coated matte presentation papers are compatible with pigment (UV) and dye inks. GFIO140 & GFIO212 are 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	Firenze132 (DMPG132*)	Firenze170 (DMPG170**)	GFIO140	GFIO212
Basis Weight (g/m ²)	98	132	170	140	212
Basis Weight (oz/yd ²)	2.8	3.9	5.0	4.1	9.9
% Opacity	87%	98%	98%	95%	95%
Brightness	91	96	97	89	89
Whiteness	115	117	121	81	83

*Firenze132 is 2-side imageable. Max 100% ink on Encad's, 200% on other printers.

**Firenze132 & Firenze170 are pH neutral

APPLICATION GUIDELINES

Printer and Ink Compatibility: The table below provides printer and ink compatibility data. The complete MAGIC® inkjet media compatibility chart can be obtained on our 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**	*	*	*	*	*	*					
Firenze132 (DMPG132)**	*	*	*	*	*	*	*	*	*	*	
Firenze170 (DMPG170)**	*	*	*	*	*	*	*	*	*	*	
GFIO140											*
GFIO212											*

** May be recycled.

Printer Settings: If using Firenze132 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 web site.

FINISHING RECOMMENDATIONS

Lamination: The 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.

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

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