

# MAGIC® APPLICATIONS GUIDE

## GFPHOTO / AZ / SIJ



### Photo Realistic Paper for Solvent Ink Jet Printing Systems

MAGIC® GFPHOTO is a one of a kind photo realistic paper specifically designed for solvent ink jet printers. GFPHOTO is a cost effective solution for printing short-term, high resolution glossy graphics and posters on a solvent based system. GFPHOTO offers a high degree of whiteness and color gamut with an extremely smooth surface for high photographic resolution.

#### PHYSICAL PROPERTIES

Caliper . . . . .	6 mils (150 microns)	Optimum Print Temp. . . . .	70°F (30-70% RH)
Basis Weight. . . . .	172g/m <sup>2</sup> (5.0 oz/yd <sup>2</sup> )	Indoor Life Expectancy . . . . .	1 year+
Whiteness . . . . .	116	Gloss (60°) . . . . .	40
Brightness . . . . .	94	% Opacity . . . . .	97

#### APPLICATIONS GUIDELINES

**Printer & Ink Compatibility:** GFPHOTO may be printed in most solvent ink jet piezo printing systems such as: Mimaki JV3, Mutoh Toucan, DGI, Vutek, Nur, Arizona, etc.

**Printer Settings:** Optimized print settings will vary from printer manufacturers. Recommended ink saturation level is 350%. Recommended heater settings of 120°F for both pre and post heaters. These settings have been found to be a good starting point.

**Outdoor/Indoor Use:** This product is recommended for indoor applications. It may be used for outdoor applications if encapsulated with a safe edge. GFPHOTO may be over-laminated with most cold laminates and low temperature hot laminating materials. Cold pressure sensitive adhesives typically provide the most aggressive bonds and are recommended.

**Material Handling & Storage:** Once print is complete, roll imaged media onto a core until ready for posting. Folding of the material is not recommended. After use, the roll should be stored at 72°F (+/-5°F) and in its original packaging in the poly bag with core plugs for no more than 6 months.

#### FINISHING RECOMMENDATION

**Laminating:** GFPHOTO may be over-laminated with most cold laminates and low temperature hot laminating materials. When the photobase is overlaminated with heavy gauge laminates and either mounted to a board or encapsulated, overlap the image with a 0.25" safe edge of laminate. This will seal the photo realistic paper, preventing moisture absorption and paper splitting. Failure to process without a safe edge when laminating will result in delamination. Use laminates of equal gauge when encapsulating to prevent image curl. Over laminating will also decrease the rate at which images fade.

**Mounting:** Cold pressure sensitive adhesives typically provide the most aggressive bonds and are recommended. Seal Print Mount® Removable has been found to work well with GFPHOTO. It is recommended that mounting materials be pretested before actual application.

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For more information, call 1-800-628-8604,  
or visit our website: [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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