

MAGIC® APPLICATIONS GUIDE



MAGIC® DMPDQ2-G & DMPDQ2-L

Magic® DMPDQ2 products are the latest in next-generation resin coated (RC) photobase papers for high-speed, wide format display ink jet printers equipped with either dye or pigmented inks. Both DMPDQ2 products work consistently on most thermal and water-based piezo ink jet printing systems. The **universal** coating provides vibrant colors and instant dry times, even with pigmented inks. These new products will produce long-lasting, stable, glossy ink jet images never before possible with dye-only compatible media. DMPDQ2 photobase papers are available in both gloss and lustre finishes.

PHYSICAL PROPERTIES

Property	DMPDQ2-G	DMPDQ2-L
Basis Weight:	255 g/m ² 7.5 oz/yd ²	251 g/m ² 7.4 oz/yd ²
Caliper:	10.4 mils 265 microns	10.4 mils 265 microns
Gloss (60°):	33	18.5
Whiteness:	103	102
Brightness:	92.5	92.5
%Opacity:	96.5	96.5

APPLICATION GUIDELINES

Printer & Ink Compatibility:

DMPDQ2 products can be used on Hewlett-Packard DesignJet® 2500/3500/5000 with dye and pigmented inks; Encad NovaJet/Pro/ProE series with GS & GO inks; ColorSpan® Display and DesignMaker with dye and pigmented inks; and most water-based piezo printer systems. Excellent print quality results achieved on the Epson 9000/9500 & 10000 printers in the 1440 dpi mode. Ink dry times will be highly dependent on ink saturation level and humidity.

Printer Settings:

To optimize print quality, printers should be set for "Enhanced Multi-pass" for Encad printers, and "Durable Gloss" modes for HP printers. Epson printers should be set to 1440 dpi mode for optimal print performance. The recommended ink saturation level is 200%. 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.

Printing Environment:

Products work best when printed in an environment at 18-30°C or 65-86°F and between 20-80% RH. Ink dry time will be longer at higher RH conditions.

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 in original packaging.

FINISHING RECOMMENDATIONS

Lamination:

Lamination can be performed immediately after printing as long as the image is dry to the touch, where inks do not smudge or smear. DMPDQ2 products can be overlaminated with most cold laminates and low temperature hot laminates. Cold laminates are preferred and give better adhesion results. When using heavy gauge laminates or when encapsulating, overlap the image with a 0.25 inch safe edge of laminate. This will seal the photobase, 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. Overlaminating will decrease the rate at which the images fade.

Mounting:

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

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InteliCoat Technologies

For more information, call 1-800-628-8604

Or visit our website at www.magicinkjet.com

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

Sales Offices:

Australia

Brazil

The Netherlands

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