

MAGIC[®] PRODUCT APPLICATIONS GUIDE

DMPDQU-G & DMPDQU-L

UNIVERSAL RESIN-COATED PHOTOBASE PAPERS



MAGIC[®] DMPDQU products are 8 mil, high quality, resin-coated photobase papers with a universal microporous coating available in both gloss and lustre finishes. The DMPDQU photobase papers are designed to provide instant dry times on most high speed, thermal and piezo waterbased inkjet printer systems with dye and pigmented inks. Instant dry times reduce production time by eliminating the most time-consuming stage of the workflow - print drying to lamination. The key product features include: improved printer transport, specifically Hewlett Packard DesignJet[®] printers, increased ink load capacity, superior pigment color gamut, and easier handling during printing and lamination.

PHYSICAL PROPERTIES

	DMPDQU-G	DMPDQU-L
Gloss (60°)	41%	17%
Caliper	8 mils	.8 mils
Basis Weight	.202 g/m ²	.202 g/m ²
Whiteness	106	106
% Opacity	.93%	.93%

APPLICATIONS GUIDELINES

Printer and Ink Compatibility: DMPDQU products can be used on most thermal and piezo water-based printing systems with both dye and pigmented inks. See the table below for recommended printers, printer settings, and ink saturation percentages.

Printer model	Recommended Print Mode Selection	Recommended Ink Saturation Level	
HP 5000 with Dye inks	Photo Imaging Gloss or Satin	350%	Over-saturation can cause paper cockle, head strike, and poor laminate adhesion.
HP 5000 with UV inks	Durable Gloss UV	350%	
HP1000/2000/3000 with Dye inks	High Gloss Photo	325%	
HP2000/3000 with UV inks	Custom Media A	275%	
Encad Novajet [®] /Pro with GS+	Enhanced Multipass	200%	
Encad Novajet [®] /Pro with GO+	Enhanced Multipass	350%	
Epson Stylus [®] 9000/9500/9600/10,000	1440 dpi mode	350%	
ColorSpan [®] Displaymaker with Dye/UV inks	Photobase setting	300%	

Color Calibration: ICC color profiles can be obtained for selected RIP, ink and printer combinations on the www.magicinkjet.com web page. Profile solutions are continually being generated, so consult the web page for current availability.

Material Handling: Handle the media by the edges or wear cotton gloves before and after printing to avoid fingerprints. It is not recommended to fold or to excessively handle the media to prevent damage to the media coating. If you roll the image, roll the image with the graphic facing in to protect your print. DMPDQU products work best in an environment between 18-30°C or 65-86°F and between 20-80%RH. Always place unused media back in its original packaging for optimal storage conditions.

Image Stability: Lamination is recommended, especially when using dye-based ink. Air quality may substantially accelerate fade if the print is not laminated. See lamination information below.

FINISHING RECOMMENDATIONS

Lamination: This product can be overlaminated with most cold laminates and low temperature laminates, but cold are preferred and give better adhesion results. 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. Overlaminating will decrease the rate at which the images fade, but due to the optical characteristics of the material, dye-based ink density may appear less vibrant when laminated. Lamination can be done immediately after printing as long as the image is dry to touch, where inks do not smudge or smear to the touch. **Avoid direct contact of image side to lamination rolls as sticking may occur.**

Mounting: Cold, pressure-sensitive adhesives typically provide the most aggressive bonds and are recommended for use with this product. These products are compatible with Seal Mount Back.

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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 obtained on our website.

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