

MAGIC® APPLICATIONS GUIDE

DMPH170EN5000 & DMPL170EN5000

HIGH GLOSS AND LOW GLARE PHOTOBASE



MAGIC® DMPH170EN5000 and DMPL170EN5000 are respectively, high gloss and low glare photobase papers for use on all Encad NovaJet® and ColorSpan® and Hewlett-Packard DesignJet® 5000 wide format printers. When using light stable dye-based inks, images can be archived for longer periods of time. The polyethylene resin coated surface combined with an ultra smooth ink jet coating prevents paper cockle and yields photorealistic images. The high gloss surface of the DMPH170EN5000 and the low glare surface of the DMPL170EN5000 provide for optimum viewing in any lighting environment.

PHYSICAL PROPERTIES

DMPH170EN5000 High Gloss	DMPL170EN5000 Low Glare
Caliper 6.8 mil	Caliper 6.8 mil
Basis Weight 170 g/m ²	Basis Weight 170 g/m ²
Opacity. 95	Opacity. 95
Gloss (60°) 94	Gloss (60°) 40
Whiteness 99	Whiteness 98
Optimum Printing Environment . . 70°F (30-70% RH)	Optimum Printing Environment . . 70°F (30-70% RH)
Recommended Printing Devices. . Encad NovaJet, ColorSpan, Hewlett-Packard 5000	Recommended Printing Devices. . Encad NovaJet, ColorSpan, Hewlett-Packard 5000
Recommended Inks Dye-based ink	Recommended Inks Dye-based ink
Image Longevity 25 years*	Image Longevity 25 years*

*See Light Stability in Applications Guidelines Section

APPLICATIONS GUIDELINES

Printing: The print side is wound to the outside of the roll.

Printer Settings: To optimize print quality, printers should be set for "Enhanced Multi-pass" print quality or on the HP5000 Max Quality, Photo Imaging Gloss mode. The recommended maximum ink saturation level is 350%.

Printer and Ink Compatibility: The material can be printed with most water-based inks designed for NovaJet printers. Using light stable inks will increase the longevity of the image.

Light Stability: The DMPH170EN5000 and DMPL170EN5000 when used in conjunction with Ilford® Archiva™ inks, will yield 25 year light stability. Time required for unacceptable image fade or color shifting is based on accelerated age testing predictions using an Atlas HPUV.

FINISHING RECOMMENDATIONS

Lamination: These products can be overlaminated 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 photobase paper, preventing moisture absorption and paper splitting. Use laminates of equal gauge when encapsulating to prevent image curl. Overlaminating will also 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 these products. Caution should be used when mounting with Seal "Mountback" material as adhesive failure can occur.

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For more information, call 1-800-628-8604,
or visit our web site at www.magicinkjet.com

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

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