

MAGIC® APPLICATIONS GUIDE

DMPH160HP2 & DMPL160HP2

HIGH GLOSS AND LOW GLARE PHOTOBASE



MAGIC® DMPH160HP2 and DMPL160HP2 are, respectively, high gloss and low glare photobase papers for use on Hewlett-Packard DesignJet® 2000 & 3000 series wide format printers. The polyethylene resin-coated surface combined with an ultra smooth ink jet coating prevent paper cockle and yield photorealistic images. The high gloss surface of the DMPH160HP2 and the low glare surface of the DMPL160HP2 provide for optimum viewing in any lighting environment.

PHYSICAL PROPERTIES

DMPH160HP2 High Gloss	DMPL160HP2 Low Glare
Caliper 6.9 mil	Caliper 6.6 mil
Basis Weight 160 g/m ²	Basis Weight 160 g/m ²
Opacity. 94	Opacity. 93
Gloss (60°) 77	Gloss (60°) 42
Whiteness 95	Whiteness 93
Optimum Printing Environment . . 70°F (30-70% RH)	Optimum Printing Environment . . 70°F (30-70% RH)
Recommended Printing Devices. . Hewlett-Packard DesignJet 2000/3000 series	Recommended Printing Devices. . Hewlett-Packard DesignJet 2000/3000 series
Recommended Inks Dye-based ink	Recommended Inks Dye-based ink

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 “Best” print quality and media selection should be “High Gloss Photo”. The recommended maximum ink saturation level is 350%.

Printer and Ink Compatibility: The material can be printed with the standard 2000/3000 dye-based inks. The use of the HPUV inks is not recommended.

Color Calibration: ICC color profiles can be obtained for selected RIP and printer combinations at the Magic web page identified below. Profile solutions are continually being generated, so consult the web page for current availability.

Material Handling: To protect unused material, it is recommended that material be stored in its original packaging, in the poly bag at 70° F (+/- 5°) for no more than 1 year. To protect the coated surface, avoid folding or creasing the media.

FINISHING RECOMMENDATIONS

Lamination: These products can be overlaminated with most cold laminates and low temperature hot laminating materials. Laminating in an environment of 35% RH to 70% RH is recommended for best lamination adhesion results. 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.

USA
28 GAYLORD STREET
SOUTH HADLEY MA 01075-2894

InteliCoat Technologies

For more information, call 1-800-628-8604,
or visit our website: www.magicinkjet.com

SALES OFFICES: AUSTRALIA
BRAZIL
THE NETHERLANDS

©2002 InteliCoat Technologies. All rights reserved.
DesignJet® is a registered trademark of Hewlett-Packard

07/01/02

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