

# MAGIC® PRODUCT APPLICATIONS GUIDE

## DMCF4HPS & DMCF4HP CLEAR POLYESTER FILM

InteliCoat



Digital Imaging  
Substrates

MAGIC® DMCF4HPS is a clear polyester film that accepts most dye-based and pigment OEM inks. The film features removable edge stripes specifically for Hewlett-Packard printers that require edge media sensing. DMCF4HP, an interleaf product, is available in 36" width for those printer systems that require an interleaf for media sensing or for those end users who prefer interleaf. DMCF4HPS is ideal for full color graphic indoor signage applications, window graphics, and color separations for screen printing.

### PHYSICAL PROPERTIES

Total Caliper	.4.0 mil . . . 102 micron
Haze	.2.2
% Opacity	.8.0
Optimum Printing Environment	.70° F / 21 °C (30-70% RH)
Recommended Ink Coverage	.300% maximum
Indoor Product Life Expectancy	.2 years (up to 1 year as window graphic with UV

### PRINTING GUIDELINES

**Printing:** Print side is wound to the outside of the roll. Due to printer tolerance variability, overlays may not hold 100% accurate.

**Printer & Ink Compatibility:** DMCF4HPS can be used on all Hewlett-Packard DesignJet® series, Encad Novajet®/Pro/Proe, Colorspan®, and most water-based piezo printers. When using HP2000/3000 printers, shut off the printhead service and color calibration options under the Image Quality option on the front printer panel. Printhead errors will occur due to the opacity differences of the clear film and edge stripe. Colorspan users will have to perform the following in order to use the film: (1) load the film with a photobase media and calibrate (2) tape over the sensor (3) unload photobase and load clear film. Epson® 7800, 9800, 10000 and Roland® printers will not detect the DMCF4HPS; therefore, DMCFHP film with an interleaf should be used (36" width only available). Film is compatible with most OEM dye-based and pigment inks. Ink dry time will be affected by ink saturation level and humidity. Allow prints to dry completely prior to handling.

**Printer Settings:** To optimize print quality, printers should be set for highest print quality. Media selection should be "Film" mode in 1000/2000/3000 HP DesignJet printers, and "PhotoImaging Gloss" mode in HP DesignJet 5000.

**Color Calibration:** ICC Color Calibration profiles can be obtained on our website. Profiles can be downloaded for a selected RIP, printer, ink, and media combination. Consult the website for current profile availability.

### APPLICATIONS RECOMMENDATIONS

**Lamination:** If added surface protection is desired, it is recommended that a non-thermal pressure-sensitive overlamine be used. Allow film to dry completely prior to handling. Lamination is essential for waterfastness.

**Window Graphics:** DMCF4HPS is ideal for window graphics due to the pigment ink compatibility. Pigmented inks will provide an image less subject to light fade than dye-based inks. A clear double-sided adhesive can be applied to the film when used for window graphics.

**Surface Durability:** Pigment inks will provide some degree of waterfastness; however, inks can be rubbed off if image is wet. DMCF4HPS is not a waterfast product.

### RECYCLING AND DISPOSAL



Disposal by recycling of ink jet media is the preferred method. Where recycle markets do not exist, disposal by landfill or an approved incinerator is acceptable. See the Magic Recycle Technical Bulletin @ [www.magicinkjet.com](http://www.magicinkjet.com).

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InteliCoat Technologies

For more information call 1-800-628-8604  
or visit our web site at [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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