

MAGIC® PRODUCT APPLICATIONS GUIDE



DMCF4HPS CLEAR POLYESTER FILM

MAGIC® DMCF4HPS is a clear polyester film that accepts most dye-based and pigmented OEM inks. The film features removable edge stripes specifically for Hewlett-Packard printers that require edge media sensing. DMCF4EN can be used for non-HP printers. DMCF4HPS is ideal for mapping overlays, full color graphic indoor signage applications, window graphics, and color separations for screen printing.

PHYSICAL PROPERTIES

| | | |
|--------------------------------|-------------|---|
| Total Caliper | 4.0 mils | 102 microns |
| 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 inks) |

PRINTING GUIDELINES

- Printing:** Print side is always wound to the outside of the roll.
- Printer & Ink Compatibility:** DMCF4HPS can be used on all Hewlett-Packard DesignJet® series printers. The removable edge stripes allow for edge sensing in HP printers. Epson 10000 and Roland printers will not sense film with or without the stripes. Ink saturation level and humidity will affect dry time. 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 Hewlett-Packard DesignJet® printers, and "Photo Imaging Gloss" mode in Hewlett-Packard 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. Profiles are generated on a continual basis. Consult the website for current profile availability.
- Material Storage:** To protect unused material, it is recommended to store material in its original packaging, in the poly bag at 59-86°F / 15-30°C and 30-70% RH.

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. DMCF4HPS mounted with DMWVA10 vinyl backing (use heat) results in a vibrant graphic with image protection and can be used as a low cost trade show graphic.
- 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:** Pigmented inks will provide some degree of waterfastness; however, inks can be rubbed off if image is wet. DMCF4HPS is not a waterfast product.

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

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