

# REXAM IMAGE PRODUCTS 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. 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. Printing is performed in “mirror” image.
- Printer & Ink Compatibility:** DMCF4HPS can be used on all Hewlett-Packard DesignJet® series, Encad Novajet® with GS inks, ColorSpan®, and most water-based piezo printers. Film is compatible with most OEM dye-based and pigmented inks. **Encad GO inks are not recommended.** 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 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 results in a vibrant graphic with image protection.
- 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.