

MAGIC® PRODUCT APPLICATIONS GUIDE

InteliCoat



Digital Imaging
Substrates

DMCF4EN

CLEAR POLYESTER FILM FOR ENCAD PRINTERS

MAGIC® DMCF4EN is a high gloss clear polyester film designed for Encad printer systems. DMCF4EN has an ink jet coating that accepts both dye and pigment inks. DMCF4EN is ideal for mapping overlays, full color graphic indoor signage applications, window graphics, and color separations for screen printing.

PHYSICAL PROPERTIES

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 inks)

PRINTING GUIDELINES

Printing: Print side is wound to the outside of the roll.

Printer & Ink Compatibility: DMCF4EN can be used on all Encad Novajet® Pro/Proe series printers with dye and pigment inks. Colorspan® users will have to perform the following to use the clear film: (1) load the film with a photobase media and calibrate (2) tape over the sensor (3) unload the photobase and load the clear film. Ink dry time will be affected by ink saturation level and humidity. Allow prints to dry completely prior to handling. The recommended ink saturation level is 300%.

Printer Settings: To optimize print quality, printers should be set for highest print quality.

Color Calibration: ICC Color Calibration profiles can be obtained on our website given below. 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: It is recommended that a non-thermal pressure-sensitive overlaminates be used. Allow film to dry completely prior to handling and laminating. Lamination is essential for waterfastness. DMCF4EN is not a waterfast product.

Window Graphics: DMCF4EN is ideal for window graphics due to the pigment ink compatibility. Pigment 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.

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 Technical Bulletin @ www.magicinkjet.com.

USA
28 GAYLORD STREET
SOUTH HADLEY MA 01075-2894

InteliCoat Technologies

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

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

07/03/08