

MAGIC® PRODUCT APPLICATIONS GUIDE

InteliCoat



Digital Imaging
Substrates

New Improved DMBF5UV

FRONTPRINT / BACKLIT POLYESTER FILM

MAGIC® New Improved DMBF5UV is a 9 mil bright white polyester film compatible with a wide variety of wide format ink jet printers and is designed for use with pigmented inks. Direct imaging on the front (matte) surface yields images with maximum ink density, vivid color and high image resolution for either reflective or backlit viewing in both indoor and outdoor applications. The combination of DMBF5UV's water-fastcoating and pigmented inks makes DMBF5UV ideal for outdoor signage.

PHYSICAL PROPERTIES

Caliper.....9.0 mil.....179 micron	Gloss of print side (60°)2.4
Opacity.....78%	Optimum Printing Environment.....70°F / 21°C (30-70% RH)
Whiteness(backing).....118	Protected Life Expectancy.....2 year indoor/1 year outdoor

PRINTING GUIDELINES

Printing: Print side is the matte side, and is wound to the outside of the roll. The print is front imaged and viewed from the image side.

Printer & Ink Compatibility: DMBF5UV is compatible with Hewlett-Packard DesignJet® series, Canon iPF series, and water-based piezo printers. Using pigment inks will yield outstanding print quality for use with either reflective or transmitted light.

Printer Settings: To optimize print quality, printers should be set for highest print quality. To reduce the effects of the star wheel marks and to minimize bleed, the recommended ink saturation level is 300% on the HP DesignJet series printers. The HP media setting is Backlit. Super and Bi-directional are the printer settings for the water-based piezo printers. Dry-time will vary depending on ink type and the ink saturation level used.

Water Resistance: DMBF5UV in conjunction with pigment inks has excellent water resistance. Lamination is not required but is recommended when an image will be exposed to repeated moisture or physical handling or when prolonged product life is needed. Dye based inks have a moderate level of water resistance. Condensation in a light box will not affect the image. DMBF5UV should be installed with the UV stable laminate side facing out.

Material Handling & Storage: Unused material should be stored in its original packaging, in the poly bag at 59-86°F / 15-30°C, and 30-70% RH.

FINISHING RECOMMENDATIONS

Image Protection: Due to the waterfast coating, lamination is not required, although overlaminates will protect the image from physical damage if the image is unprotected by glass. Cold pressure laminates should be used with DMBF5UV. A UV stable laminate is recommended.

Lighting: Viewing with reflective or transmitted light yields outstanding image contrast and color vibrancy.

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.

USA
28 GAYLORD STREET
SOUTH HADLEY MA 01075-2894

InteliCoat Technologies

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

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

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