

MAGIC® APPLICATIONS GUIDE

GBL-9

Solvent Gloss Backlit

InteliCoat



Digital Imaging
Substrates

MAGIC® GBL-9 is a gloss backlit film for use in both solvent and eco-solvent printing systems. GBL-9 is a backlit film recommended as a front printing and viewing film where high density can be achieved. It is ideal for backlit signage applications, and provides maximum transmitted and reflected ink density, ensuring vivid color and high image resolution. GBL-9 is suitable for both indoor and outdoor light box graphics and kiosks; has excellent scratch resistance, and does not require lamination.

PHYSICAL PROPERTIES

Caliper	7.0 mil (179 microns)
Opacity	67 %
Gloss of Print Side (60°)	99 with white backer
Optimum Printing Environment	70°F (30-70% RH)

APPLICATIONS GUIDELINES

Imaging: The print needs to be front imaged and viewed from the image side. The print side is the gloss side and it is wound to the outside of the roll. The non-print side is much duller in sheen.

Printer & Ink Compatibility: GBL-9 may also be printed in most solvent and eco-solvent printers such as: Mimaki JV3, Mutoh Toucan, Vutek, Nur, Roland Versa Camm, Roland SolJet, etc. GBL-9 is also compatible with UV cure and HP Latex printers, please refer to the Magic Solvent Printer Compatibility Chart. To allow for ink outgassing, imaged product needs to rest 24 hours before handling.

Printer Settings: Dry-time will vary depending on ink type and the ink saturation level used. Optimized printer settings will vary from printer manufactures. A good starting point for heat settings 42°C (105°F) for pre-heat and 38°C (100°F) and post heat. Use maximum heat on exit dryer. Measures should be taken to minimize static on the printer, as ink over-spray may result if low level static is generated.

Color Calibration: ICC color profiles may be obtained for selected RIP, ink and printer combinations on the magicinkjet.com web site. Profile solutions are continually being generated, so consult the web page for current availability.

Water Resistance: Condensation in a light box will not affect the image. 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. See lamination section below. GBL-9 should be installed with the image side facing out.

FINISHING RECOMMENDATIONS

Image Protection: Due to the waterfast coating, lamination is not required. Overlaminates will protect the image from physical damage if image is unprotected by glass. Cold pressure laminates is the preferred method. If using heat activated laminates, it is recommended to encapsulate, leaving 1/8" safe edge around the entire graphic to ensure complete waterfastness.

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

RECYCLE AND DISPOSAL



Disposal by recycling of ink jet media is the preferred method. Where recycle markets do not exist, disposal by land fill or an approved incinerator is acceptable. See the Magic Recycle Technical Bulletin @ www.magicinkjet.com.

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For more information, call 1-800-628-8604,
or visit our website: www.magicinkjet.com

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

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