

MAGIC® PRODUCTS APPLICATIONS GUIDE

GFPHOTO PSA

PRESSURE-SENSITIVE PHOTO REALISTIC PAPER

InteliCoat



Digital Imaging
Substrates

MAGIC®GFPHOTO PSA is a photo realistic paper, with a pressure-sensitive (PSA) on a one mil clear polyester liner, specifically designed for solvent and eco-solvent ink jet printing. GFPHOTO PSA is a cost-effective solution for printing short-term, high resolution glossy graphics and posters. The pressure sensitive layer allows for easy application to mounting materials.

PHYSICAL PROPERTIES

Gloss (60°)	50
Basic Weight (paper & adhesive)	205.7 g/m ²
Whiteness	100
Caliper of photo paper	.65 mil
Caliper of Adhesive	0.8 mil (+/- 0.1 mil)
Caliper of Film Liner	1 mil
Adhesive Type	Permanent Solvent-Based
Adhesive Peel Force on Stainless Steel	1.75 lb/in
Optimum Printing Environment	70°F (30-70%RH)

APPLICATIONS GUIDELINES

Printer & Ink Compatibility: GFPHOTO PSA may be printed in most solvent and eco-solvent printing systems such as: Mimaki JV3, Mutoh Touch, DGI, Vutek, Nur, Roland Versa Camm, Roland XC, etc.

Printer Settings: Optimized print settings will vary from printer manufacturers. Recommended ink saturation level is 350%. Recommended heater setting of 50° C for the pre heater and 45° C for the post heater. These settings have been found to be a good starting point. Using the take-up reels is not recommended.

Outdoor / Indoor Use: This material is recommended for indoor applications. It may be used for outdoor applications if encapsulated with a safe edge. GFPHOTO PSA may be over-laminated with most cold laminates. Heat activated laminates should not be used because heat can degrade the adhesion peel strength.

Material Handling & Storage: Once print is completed, it is recommended to lay material flat until ready for posting. Folding of the material is not recommended. Unimaged material should be stored at 72° F (+/-5°) for no longer than 1 year, to obtain maximum adhesion values. After use, the roll should be stored in its original packaging.

FINISHING RECOMMENDATIONS

Surface Preparation: Always ensure that the receiving surface is thoroughly cleaned, free of dust, dirt or cleaner residues. Painted metal, glass and standard graphic art mounting boards surfaces should be cleaned with standard glass cleaner or isopropyl alcohol (IPA). Poor surface conditions will cause adhesion loss or failure.

Recommended Application Surfaces: Stainless steel, glass, acrylic, ABS, polycarbonate, Plexiglas®, Foam Core® and Sintra®. The product is designed for use on smooth, flat indoor surfaces. Textured surfaces and wood tend to promote poor adhesion. Always pretest your specific substrate prior to actual application.

Installation Techniques: For best results, it is recommended that a laminator be used to mount material to mounting boards, and for permanent structures a professional installer should be used. Material is not repositionable during or after install. The use of water to aid in the adhesive installation is not recommended. Water will damage the print surface.

Laminating: To give added surface protection from dirt and abrasion, a cold pressure-sensitive overlaminate is recommended. Heat activated laminates should not be used because the heat can degrade the adhesive peel strength. Overlaminating one side may cause the product to curl towards the laminated side and the edges to lift.

Removal: Removal will require physical scraping or use of solvents as this is a paper-based product with a strong solvent-based permanent adhesive. Application of this product to dry wall is not recommended due to the potential difficulties in removal.

USA
28 GAYLORD STREET
SOUTH HADLEY MA 01075-2894
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For more information, call 1-800-628-860404
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*Most updated version of this guide can be obtained on our website.

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