

DYE SUBLIMATION Magic® DS130

Ink Jet Dye Sublimation Transfer Paper

Making all Great Images Count



www.magicinkjet.com

MARKET APPLICATIONS

- High quality ink jet dye sublimation transfers onto a wide variety of sublimation surfaces, including clothing; fabrics mousepads; metal and plastic signs; mugs; and custom tiles.

PRODUCT DESCRIPTION

- 135 gsm specialty paper that enhances release of ink during the sublimation process

FEATURES & BENEFITS

- Works with most brands of ink jet printers equipped with dye sublimation inks.
- Results in high quality transfers with minimal cockle, quick dry times, no out-gassing, and no blow-through. (Note: Surfaces for sublimation need to be specialty-coated or polymer-coated to accept the inks. Sublimation will not work on 100% cotton material.)
- Prints a wide gamut of vibrant colors
- 95-100% ink release under optimal temperature, pressure, and heat press dwell time.

GENERAL AVAILABILITY

DS130	Part #
54" x 200'	20380
64" x 200'	20383
72" x 200'	20384

MEDIA COMPATIBILITY

Print mirror image. Allow print to dry prior to transfer.

Magic® DS130 paper has been tested and runs successfully on most brands of ink jet printer systems equipped with dye sublimation inks. Roland®, Mutoh®, Epson®, and Mimaki® printers have all provided excellent results with various manufacturers' dye sub inks.

It is always advised that the compatibility of the paper with a specific printer and heat press equipment be determined before proceeding with a large job.

- * For complete Magic® product set, refer to Magic Printer Compatibility Chart under Technical Support on www.magicinkjet.com.
- * For additional product details – including printer settings and printing guidelines – see Application Guide under Tech Support of www.magicinkjet.com
- * For ICC profile availability, see www.magicinkjet.com

Phone: 1-800-628-8604

Fax: 1-800-861-4128

Disclaimer: Information presented in this product sellsheet is intended to offer a useful reference in selecting media for your output. No media warranties are implied unless specifically mentioned. Printer and / or ink changes may affect results. The most current product information may be found at www.magicinkjet.com.

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InteliCoat Technologies®

MAGIC® PRODUCT APPLICATIONS GUIDE

InteliCoat



Digital Imaging
Substrates

DS130

INK JET DYE SUBLIMATION PAPER

MAGIC® DS130 is an ink jet dye sublimation paper that results in high quality sublimation transfers. This specialty paper prints a wide gamut of vibrant colors, enhances the release of ink during the sublimation process and presents value over current papers being used in the sublimation market today. Magic® DS130 can be transferred onto a wide variety of sublimation surfaces to accommodate several applications. Some of the key product features include: minimal paper cockle, quick dry times, vibrant colors, no outgassing, 95-100% ink release, and no blow through.

PHYSICAL PROPERTIES

Caliper6.3 mil
Basis Weight	135 g/m ²
Whiteness	103
Optimum Printing Environment70°F / 21°C (30-70% RH)
Recommended Ink Load	250-275%

PRINTING GUIDELINES

Printing: Image side is wound to the outside of the roll. Printing is performed in "mirror" image. Allow print to dry prior to transfer.

Printer & Ink Compatibility: Magic DS130 paper has been tested and run successfully on most brands of ink jet printer systems equipped with dye sublimation inks. Roland, Mutoh, Epson, and Mimaki printers have all proven to provide excellent results with various dye sub ink manufacturers. It is always recommended to determine the compatibility of the paper for use on your printer and heat press equipment.

Printer Settings: A Heavy Coated Paper print mode is recommended for all printer brands and models. Do not oversaturate the paper. It will result in bleed and will not enhance transfer color. The image may look "washed out" prior to sublimation. Colors will intensify when transferred. Use ICC color profiles to optimize your particular printer/ink/RIP setup.

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.

SUBLIMATION GUIDELINES

Sublimation Process: Sublimation ink has the ability to convert from a solid to a gas without going through the liquid form. Sublimation key ingredients are heat, pressure, and dwell time. When the heating process is completed, the image on the paper has been fully transferred to the item and has become part of the surface. No surface protection is needed. During the sublimation process, the "pores" of the item open up and accept the ink/image. When the item is removed from the heat press, the pores close and the inks revert to a solid state resulting in a permanent, durable image that can not be rubbed or washed off. Magic DS130 dye sub paper provides 95-100% transfer efficiency on a variety of heat transfer presses.

Heat Press Conditions: Sublimation conditions will vary depending on the heat transfer press being used. Internal testing found excellent results using 400°F and a 30-45 second dwell time at 40-50 psi pressure. It is recommended to determine optimal temperature, pressure, and dwell time conditions for your heat press.

Compatible Sublimation Surfaces: Surfaces for sublimation need to be specialty-coated or polymer-coated to accept the inks. Sublimation will not work on 100% cotton material. To achieve the best results, dye sublimation should be performed on white or light-colored surfaces. Magic DS130 dye sub paper can be used on textiles, metals, plastics, ceramics and porcelains as long as they are poly-coated and have a surface that will accept the dye sublimation inks.

Sublimation Applications: Dye sublimation can be used in several applications. Most common applications include clothing and fabric items such as T-shirts, flags, tote bags, and mouse-pads.

RECYCLE & DISPOSAL



paper

Disposal by recycling of paper 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.

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.

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