

## RC GLOSS PAPER FOR PHOTO PRINTS

### HARMAN CRYSTALJET GLOSS RC Inkjet Paper

is designed to produce quick drying, high quality photo images on popular photo-dedicated inkjet printers using dye or pigment inks.

The paper has a smooth gloss finish, and enables high quality images with the appearance of real photographs. Prints have a good vibrancy, a broad tonal range and good shadow and highlight definition.

### KEY FEATURES

- Smooth gloss finish
- Paper weight 260 gsm
- Compatible with most popular dye and pigment inkjet printers
- Quick drying surface
- Photo quality images
- Excellent results for both colour and black and white printing
- Good surface scuff resistance to general handling
- Water resistant

### PRINTING TIPS

- To load the paper into the printer feed tray follow the printer manufacturers advice.
- Prints will be touch-dry directly after printing and can be handled immediately. However, stacking, storing, framing, and displaying prints in albums should only be carried out when the images are completely dry. We recommend leaving them for 24 hours or at least overnight for any outgassing from the inks to be completed. Actual dry times will vary according to the ambient conditions where you are printing.
- The paper is compatible with pigment and dye inks - and most photo-dedicated/photo capable printers, using the printer manufacturer's original inks.
- The printing side is the glossy side of the paper. The paper is packed in the box printing side up.
- To ensure that the paper remains flat, store the paper in the original box until you are ready to print. Always store the boxes flat, not on their edges.
- Handle the paper carefully, and avoid touching the printing surface as this may cause fingermarks, and adversely affect colour and image quality.
- As with all photographic and inkjet materials do not expose this paper to extremes of temperature and humidity as this will adversely affect image quality and colour.

### PRINTER SETTING GUIDELINES

This paper is designed for use with most popular photo inkjet printers.

The printer settings we recommend are based on extensive practical tests at our factory, which have achieved consistently good results, when applying specific media/printer setting combinations. However, you may find that you need to change these settings depending on your personal preferences, the types of images you are printing and your local conditions.

For example, if a warmer or darker image is required to suit your personal preferences, you may need to increase 'saturation' or 'intensity'. Similarly changing the media selection, which appear in the printer software's drop down menu, can also dramatically alter the look and colour of resultant prints. Do not be afraid to experiment to achieve the look you are seeking.

**NOTE:** Printers, inks and software are changed and updated frequently. For the latest information on printer settings, including downloadable ICC profiles, and for more information about HARMAN technology's inkjet media, visit our website at: [www.harman-inkjet.com](http://www.harman-inkjet.com)

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<b>PRINTER MODEL (Dye inks)</b>	<b>SUGGESTED SETTINGS</b>
Epson 785EPX, 870, 875, 890, 895, 1270, 1280, 1290	Media Type – Photo Quality Inkjet Papers Print quality – 1440dpi Colour Management – Select ICM
Epson 1400	Media Type – Epson Ultra Glossy Print Quality – Best Photo Advanced Settings – Select ICM
Canon S900	Media Type – Glossy photo paper Print Quality – High Colour Adjustment – Manual/Select ICM
Canon ip6220D, 6210D, 6600D, 6700D,	Media Type – Photo paper plus Glossy Print Quality – High Colour Adjustment – Manual/Enable ICM
Canon i9950	Media Type – Photo paper plus Glossy Print Quality – High Colour Adjustment - Manual/Enable ICM
HP Photosmart 8750, 8459, 8100, 7700, 7600, 7400, 7200	Paper/Quality – HP Premium photo paper Glossy Print Quality – Best Color/Color Management – Colorsmart/sRGB
HP Photosmart 7960	Paper/Quality – HP Premium Plus photo paper Glossy Print Quality – Best Colorspace – sRGB

<b>PRINTER MODEL (Pigment Inks)</b>	<b>SUGGESTED SETTINGS</b>
<b>Use Photo Black ink</b>	
Epson Stylus Pro R800, R1800	Paper Type – Premium Glossy Photo Paper Quality – Best Photo, and deselect 'gloss' Advanced Settings – select 'Photo Enhance'
Epson Stylus Pro 2100/2200	Media – Watercolor Paper Radiant White Mode – Custom/Advanced/1440dpi/Select ICM
Epson Stylus Pro R2400	Media – Premium Glossy Photo Paper Quality – Best Photo Advanced Settings – ICM
Epson Stylus Pro 4000	Media – Premium Glossy Photo Paper Mode – Custom/Advanced / Superfine 1440dpi
Epson Stylus Pro 4800, 7800, 9800	Media – Photo Glossy paper Mode – Custom/Advanced/Superfine 1440dpi/ICM
Epson Stylus Pro 3800, 7600, 9600	Media – Premium Glossy Photo Paper Mode – Custom/Advanced/Superfine 2880dpi/ICM
HP B9180	Media – HP Advanced Photo Paper, Glossy Print Quality – Best Mode – Select Colorsmart sRGB

## STORAGE & DISPLAY

The well-established recommendation for storing traditional colour photographs in a “cool dry place” can also be applied to inkjet prints. This can be broadly defined as 24C (75F) or lower, with relative humidity in the 30-

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50% range. Attics and basements, or cellars, which can be subject to wide swings in heat and humidity, are not suitable environments for long-term storage.

Inkjet prints develop less stain than traditional colour photographs over time, and thermal fade (i.e. from heat alone) is also generally not an issue with inkjet inks.

Nevertheless, there are two important factors to be aware of that can seriously shorten the life of inkjet prints. These are high humidity and air pollution. The extent to which a print will react to these factors is dependent on whether they were printed with dye or pigment inks.

Inks used in printers fall into two categories; dyes that are similar to those used in traditional colour photographs and pigments that are the colorants found in paints.

Pigments are generally more resistant to high humidity, air pollution and light fading than dyes.

When prints made with dye inks are subjected to high humidity or dampness, the colours have a tendency to bleed or spread, resulting in blurred looking prints. In extreme cases, direct water contact will cause streaking and destruction of the image. Prints made with pigment inks though are much less susceptible to the effects of humidity, and are quite water resistant also. High humidity can also promote the growth of mold.

Atmospheric pollutants, especially ozone, can also cause image degradation with unprotected dye ink prints being the most susceptible. However, this can be easily minimized by storing prints in photo albums and/or polyester sleeves in storage boxes designed for the long-term storage of photographic prints.

Prints intended for long-term display should be protected behind glass or laminated to reduce the influence of pollutants, excess humidity, and other deterrents to print life.

## **PRINT DISPLAY LIFE**

Today's inkjet printers and latest generation ink sets, combined with state of the art photo quality inkjet papers such as those from HARMAN technology, can produce prints that not only rival the quality of traditional colour photographs, but that also can comfortably outlast them.

However, as with traditional silver halide colour photo prints, proper care in storage and display (as described above) is required to maximize the life of prints. Actual life will vary according to the specific printer, ink, media, printed image, and display conditions.