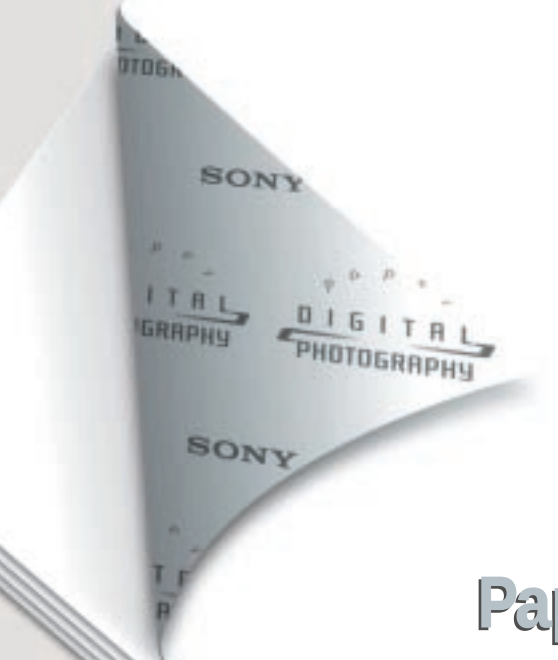
SONY

Sony Digital Photography Paper



Paper makes the Picture

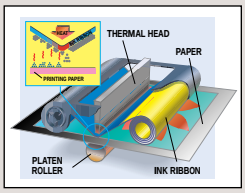
Using a printing paper that is both stable and reliable is important for customer satisfaction in your digital photo business. If you thought that protection against environmental factors such as light, heat and humidity was not possible with a digital image from a printer, you haven't experienced the impressive combination of Sony Digital Photography Paper and Sony dye sublimation printing. It provides not only high picture quality but also picture permanence you expect.

What you get is not just a print out,
it's a photograph!

DIGITAL PHOTOGRAPHY

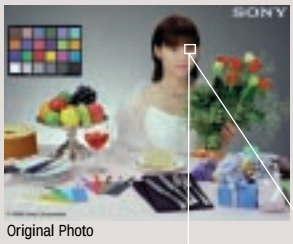
Sony Photo Printing Technology

Dye sublimation printing



Dye sublimation printing is the only method that produces a photo-quality printout. In dye sublimation printing, the ink is converted into a gas to produce rich colors with a tonal range of up to 256 gradations. With over 16 million different colors available for each printed dot, color reproduction is highly accurate. This is different to other printing methods such an inkjet, which cannot realize gradations in each dot.

As you can see in the examples below, dye sublimation printing method clearly reproduces images of photographic quality when compared to those produced using other printing methods, such as inkjet.



Original Photo

(x200)

Sony Printer | Inkjet Printer

In addition, Sony Digital Photography Paper has been developed to protect the superb picture quality of dye sublimation printing. It uses a totally new type of multi-component laminated coating that is applied to the surface of the paper during the actual printing process. This coating provides highly effective protection to your prints, guarding against the effects of light, heat and humidity.

Environmentally friendly

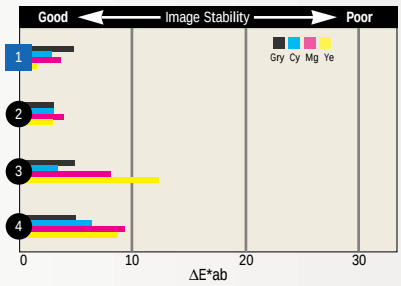
Sony dye sublimation printing technology is also environmental friendly. It does not use liquid chemicals, so there are no problems with chemical waste. This feature makes installation of the printer very flexible. With no drainage required, it can be placed in any convenient location.

Interior Lighting Exposure Test

Tested by using accelerated testing equipment, with fluorescent tubes that are widely used for interior lighting. This testing conditions approx. equal 3 years' exposure to interior lighting, when assuming the average illuminance in the room is 500 Lux, 10 hours per day.

■ Test Conditions

Equipment	Fluorescent tube Fade-o-meter (Toyo Seiki Seisaku-sho, Ltd.)
Light Source	Toshiba mellow white FL20SS-N/18, 16 tubes
Black Panel Temperature	50°C (122°F)
Chamber R.H.Temperature and Humidity	36° to 38°C (97° to 100°F), 20% to 25% R.H.
Illuminance and Operation Time	Approx. 1.5 x 10^4 Lux, for 350 hours

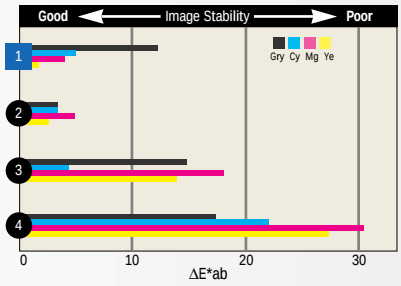


Sunlight Exposure Test

Tested by using accelerated testing equipment, with a xenon lamp that has a similar spectrum profile to sunlight through windows. This testing conditions approx. equal 3 to 4 months' exposure to sunlight through a window facing south.

■ Test Conditions

Equipment	Atlas Ci 35 Fade-o-meter
Light Source	Xenon Lamp
Filters	(Inner) IR absorbing glass (Outer) Soda lime glass
Black Panel Temperature	45°C (113°F)
Chamber Temperature and Humidity	25°C (77°F), 50% R.H.
Illuminance and Operation Time	Approx. 1.1 x 10^5 Lux, for 93 hours

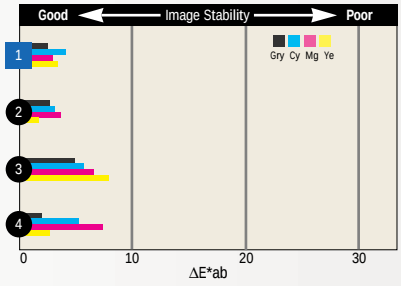


Heat Resistance Test

Tested in a high temperature environment.

■ Test Conditions

Environment	60°C (140°F), 30% R.H., dark place
Time	for 14 days

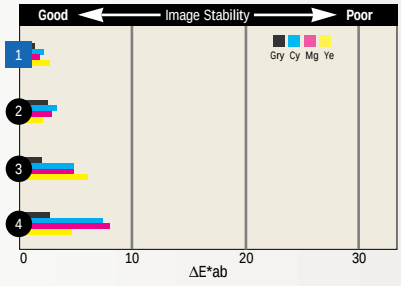


Humidity Resistance Test

Tested in a high temperature and high humidity environment.

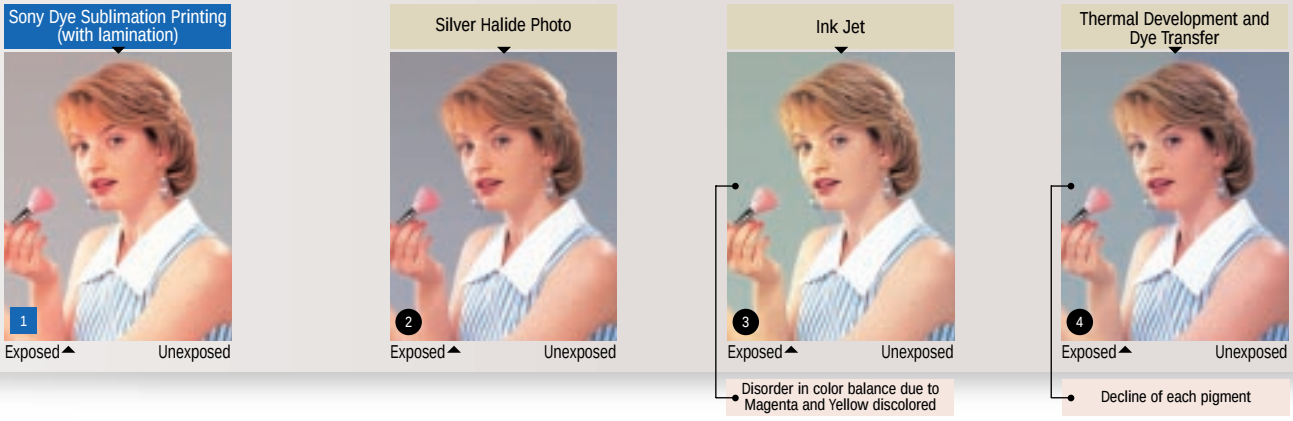
■ Test Conditions

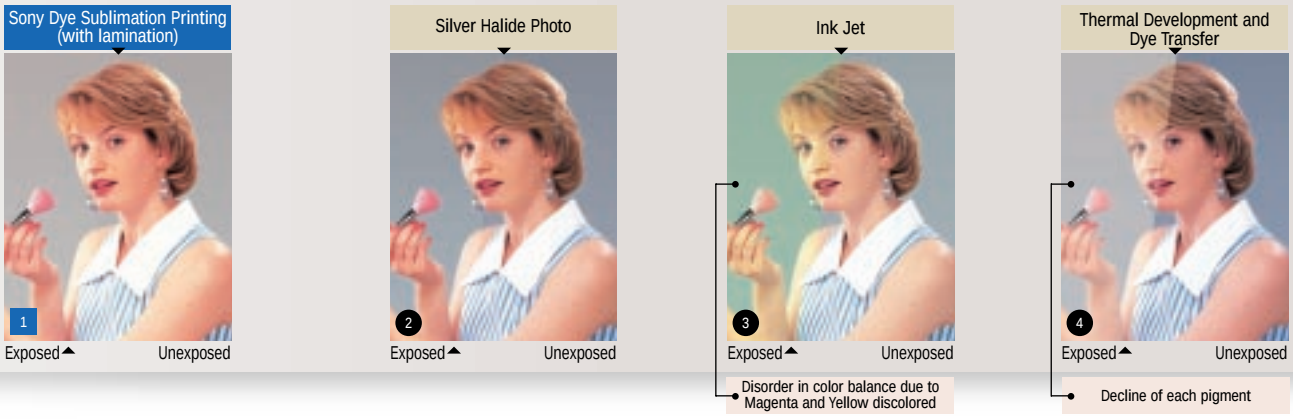
Environment	40°C (104°F), 90% R.H., dark place
Time	for 30 days

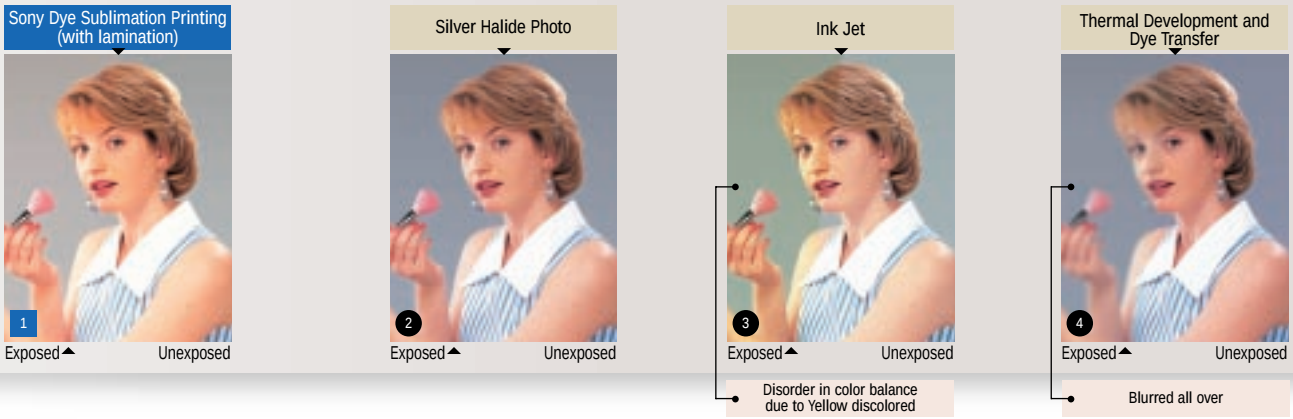


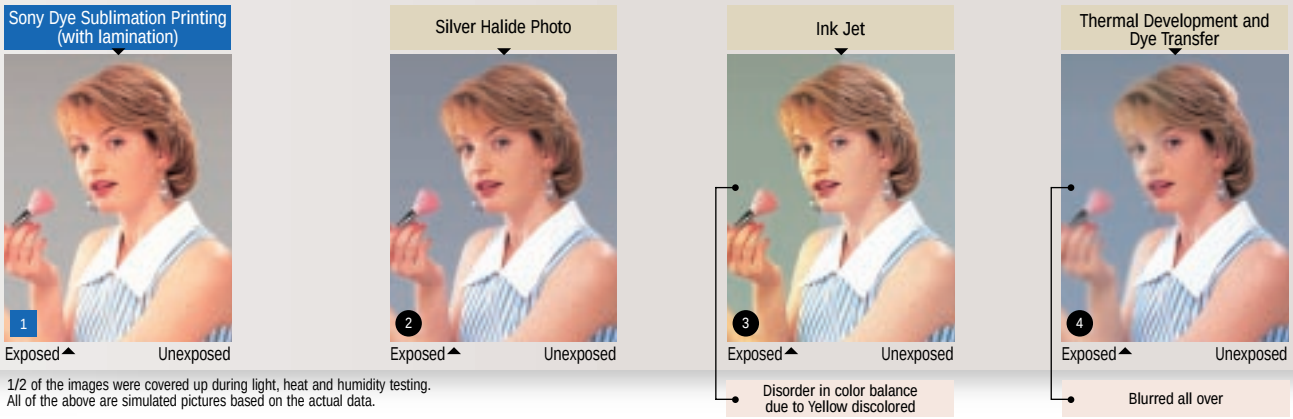
ΔE*ab is used as the criterion for evaluation in each condition.
ΔE*ab is the color difference in L*a*b* color space of each picture before and after testing.
ΔE*ab color differences can be considered to have a high correlation with color differences perceived by human eye.

Image Stability





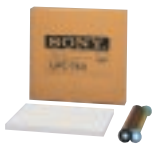




1/2 of the images were covered up during light, heat and humidity testing.
All of the above are simulated pictures based on the actual data.

UPC-740
Self-Laminating Color Printing Pack

A4 SIZE



For the UP-D70A

Contents:	1 roll of YMCL ink ribbon 72 sheets of print paper
Paper size:	210 x 297 mm (8 3/8 x 11 3/4 inches)
Print area:	203.2 x 271.6 mm (8 x 10 3/4 inches)

UPC-741
Self-Laminating Color Printing Pack

LETTER SIZE

For the UP-D70A

Contents:	1 roll of YMCL ink ribbon 72 sheets of print paper
Paper size:	216 x 279 mm (8 5/8 x 11 inches)
Print area:	203.2 x 254 mm (8 x 10 inches)

UPC-747
Self-Laminating Color Printing Pack

A4+ SIZE

For the UP-D70A

Contents:	1 roll of YMCL ink ribbon 72 sheets of print paper
Paper size:	222 x 322.4 mm (8 3/4 x 12 3/4 inches)
Print area:	216 x 297 mm (8 5/8 x 11 3/4 inches)

UPC-540
Self-Laminating Color Printing Pack

A5 SIZE

For the UP-D50

Contents:	1 roll of YMCL ink ribbon 102 sheets of print paper
Paper size:	210 x 148 mm (8 3/8 x 5 7/8 inches)
Print area:	184 x 133 mm (7 1/4 x 5 1/8 inches)

UPC-2045
Self-Laminating Color Printing Pack

A6 SIZE

For the UPX-C21, UP-D2600S/D2600

Contents:	1 roll of YMCL ink ribbon 120 sheets of print paper
Paper size:	148 x 100 mm (5 7/8 x 4 inches)
Print area:	Max. 112 x 84 mm (4 1/2 x 3 3/8 inches)

UPC-2040A (for ID photo application)
Self-Laminating Color Printing Pack

A6 SIZE

For the UPX-C21, UP-D2600S/ D2600/D2500

Contents:	1 roll of YMCL ink ribbon 120 sheets of print paper
Paper size:	148 x 100 mm (5 7/8 x 4 inches)
Print area:	Max. 112 x 84 mm (4 1/2 x 3 3/8 inches)

A choice of print finish

With Sony Digital Photography Paper, you have the choice of a glossy, matte, texture and non-glare finish to your prints, depending upon your preference or that of your customer.

Size	Model	Printer	Glossy	Matte	Texture	Non-glare
A4	UPC-740	UP-D70A	●	●	●	●
Letter	UPC-741	UP-D70A	●	●	●	●
A4 Plus	UPC-747	UP-D70A	●	●	●	●
A5	UPC-540	UP-D50	●	●	●	
A6	UPC-2045	UPX-C21/ UP-D2600	●	●	●	


Glossy


Matte


Texture


Non-glare

Features of UPC-2040A

- **Stamp capability**
- **Resistance to organic solvent**

Printing time

Size	Model	Printer	Printing time
A4	UPC-740	UP-D70A	115 seconds
Letter	UPC-741	UP-D70A	115 seconds
A4 Plus	UPC-747	UP-D70A	130 seconds
A5	UPC-540	UP-D50	40 seconds
A6	UPC-2040A	UPX-C21/ UP-D2600	97 seconds
A6	UPC-2045	UPX-C21/ UP-D2600	70 seconds

Distributed by

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Printed in Japan