

# Print Paper Options



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Robin Imaging has a wide selection of printing papers. This is just a brief description of each. For more assistance in selecting the right paper for your needs, please contact one of our design consultants at 513-381-5116 or email [info@RobinImaging.com](mailto:info@RobinImaging.com). We have samples of all papers available to help you compare.

## How to Compare Papers

Attached is a chart that helps you rate various papers. They are rated 1-5 with the highest or best rating being a 5. These ratings are relative to our other papers. Just because a paper rates a 1 or a 2 does not mean it is a bad paper. It just means that others rate higher in that characteristic.

### White

The whiter a paper is the brighter the print is going to appear. In some cases, you may want to choose a paper that is less white for a softer look. Bright whites (numbers over 92) are generally achieved by using Optical Brightness Additives (see below). White level information is not available on some papers.

### D-Max

D-Max stands for maximum density. The higher the D-Max, the blacker the black. Generally, a high D-Max is associated with glossy finishes.

### Color Gamut

The color gamut is the range of colors that can be produced. This is affected somewhat by the paper, but it is primarily a function of printer and inks used. This can be particularly important with pastels, bright red, green, and orange.

### Life Span

The life span on our papers ranges from around 25 years to 400 years. The exact life span is highly dependent on the display conditions.

### Durability

Some papers produce wonderful looking results but are very easy to damage. In many cases the most expensive papers are also the most fragile. Fine Art papers should always be handled with extreme care. It can be helpful to add a border to fine art prints for ease in handling.

### Price

This is just to give you an idea of where the prices rank in relation to other papers.

## Technology

The type of printer used has a lot to do with the color gamut, life span, look of the print. Pigmented inks produce the longest life.

## Finish

The finish has a lot to do with the contrast range of the print and how it is affected by light striking it. Glossy prints yield the greatest contrast, but also produce the most reflections. High gloss prints can produce a mirror like reflection. Satin prints will show a reflected glow from light striking it. Matte and velvet will not show any reflections. For prints being laminated or mounted to acrylic we recommend the use of gloss papers.

## Surface

This is the texture of a paper. In most cases the surface is similar to the finish. One of the few exceptions to that is Fine Art Pearl. This has a slightly textured surface with a gloss finish.

## Optical Brightener Additive (OBA)

OBAs make whites appear whiter by taking UV light and converting it to white light. This is what gives exceptionally bright whites. It causes whites to glow under black lights. The whites in papers with OBAs will be cooler than in papers with no OBAs. One disadvantage from OBAs is that color will look different under different types of light. Two colors that appear to match under one type of light may look quite different under another type of light. OBAs will also fade in 10 – 25 years making the color look different. If you want the brightest white possible, use a paper with OBAs. If you are looking for exact color match and archival characteristics, use a non-OBA paper, or at least one with low OBA content.

## Fine Art Papers

All our fine art papers should be displayed behind glass. They have exceptional quality, but like all fine art papers they must be handled with care to prevent scratching. They are printed using pigmented inks on our Epson P20000 and P9570 printers for exceptional color gamut and long life.

### Hahnemühle Photo Rag® Ultra Smooth

100% cotton paper. It has a smooth surface texture and an extremely large color gamut. Photo Rag® Ultra Smooth lends itself particularly well to premium photo prints. *Photo Rag should be handled carefully since it can easily be scuffed.* Great for soft looking B&W

images but avoid it if there are large amounts of black due to the potential for scuffing. Contains some OBA (Optical Brightener Additives). ISO Brightness - 94. Weight 308 gsm.

#### **Hahnemühle Fine Art Pearl**

100% alpha-Cellulose paper with optical brighteners allowing the brightest whites available in a fine art paper. It has a smooth, uniform surface texture with a unique pearl coating. The bright white of Fine Art Pearl enables impressive contrasts and pictorial depth in black and white or color photography. This paper gives the rich look of traditional B&W silver halide papers. This is our top choice for high impact B&W prints. Contains OBAs. ISO Brightness - 105. Weight 285 gsm.

#### **Hahnemühle FineArt Baryta Satin**

An acid free 100% alpha-Cellulose similar in appearance to Hahnemühle Fine Art Pearl. The subtly textured, smooth base paper contains no optical brighteners and has a silky, smooth surface texture with a beautiful feel. The satin-gloss premium inkjet coating guarantees exceptional print results with intense colors, deep blacks, and outstanding sharpness. The barium sulphate within the coating makes FineArt Baryta Satin a viable alternative to analogue baryta paper. The acid- and lignin-free FineArt inkjet paper meets the most exacting requirements for age resistance and produces stunning FineArt reproductions of black and white and color photographs. Baryta is similar in appearance to Fine Art Pearl, but slightly less bright since it does not contain OBA's. The surface is a Satin-Gloss. Contains no OBAs. ISO Brightness - 92. Weight 300 gsm.

#### **Hahnemühle Albrecht Dürer**

A traditional mould-made watercolor paper made with 50% cotton and 50%  $\alpha$ -cellulose fibers. This white fine art inkjet paper does not contain optical brighteners and has a classic, strikingly defined watercolor structure that adds an artistic soft touch. Use for watercolor and pastel reproductions. Albrecht Dürer has a more pronounced texture and deeper blacks than Somerset Velvet. Due to the texture images will not appear as sharp as on other papers. *This paper should be handled carefully since it can easily be scuffed.* OBA free | ISO Brightness 88.5 | Weight 210 gsm.

#### **Somerset Velvet**

Acid free, 100% cotton rag with a radiant white surface. This paper has a slight texture with soft tones that work well for watercolor and pastel reproductions. This paper has less texture, brighter whites, and softer blacks than Albrecht Dürer. ISO Brightness - 96. Contains OBAs. Weight 255 gsm, 19 mil.

#### **Hahnemühle Bamboo**

Our most environmentally friendly paper. Acid free, made from 90% bamboo and 10% cotton. Natural warm-toned matte finish. OBA free ISO Brightness 83.0. Weight 290 gsm.

#### **Moab Entrada Rag Natural 290**

OBA free and acid free, 100% cotton fiber with a smooth matte finish. Since this is OBA free the white point is not quite as bright as Photo Rag. This is one of our most archival and sturdiest papers. It works well for almost any image. It is available in sizes up to 60x120. Excellent choice for archival prints. ISO Brightness - 84. Weight 290 gsm, 22.5 mil.

## **Fine Art Photo Papers**

#### **Enhanced Matte Paper**

A high-quality wood fiber matte paper for use when premium paper is not required. This paper is lighter weight paper than the fine art papers. It contains OBAs giving it a bright white point. ISO Brightness 104%. 192 gsm, 10.3 mil.

#### **Epson Premium Luster**

Premium Luster Photo Paper delivers highly saturated prints by offering maximum ink coverage and a high D-Max for true photographic reproductions. Its 10-mil RC base gives prints a photographic feel. Use for people pictures. ISO Brightness 97%. 240 gsm, 10 mil.

#### **Epson Premium Gloss**

Highest color gamut available for vivid color reproduction RC paper base for photo prints Glossy surface. Good choice for use with acrylic mounting. ISO Brightness 92%. 260 gsm, 10 mil.

#### **Epson Metallic Gloss**

An RC paper base with a reflective metallic glossy finish. The metallic look varies by subject matter. Good choice for acrylic mounting. ISO Brightness 81%. 260 gsm, 10.5 mil.

## **Wall Décor**

Our wall décor prints are printed on a 10-color solvent inkjet. They provide a larger dynamic range than silver halide prints providing a high-quality product at a lesser price than our fine art prints.

#### **C-Print Satin**

These moderately priced prints replaced our silver halide prints. They have a much larger color gamut and longer life color than silver halide prints. They are available in any size from 11x14 – 60x120. The surface is more of a satin than a gloss. 9mil | Brightness: 99% | Opacity: 97%

Use for photos and when a laminate or acrylic are being used.

#### **PosPro 200**

A blackout display film offering high image quality and exceptional durability. It is an affordable solution for many indoor applications. Whiteness 114 | 10.5 mil 220gsm.

Use for promotional roll up banners, retractable banners, POP displays and tradeshow graphics.

### **Premium Poster Paper**

This poster paper is water resistant and can be used indoors or outdoors. The image quality is suitable for framing. It is ideal for theater type posters and can even be applied to walls using starch-based adhesives. The white point on this paper is a little warmer and darker than the C-Prints. Whiteness 84 | 9 mil | 212 g/m<sup>2</sup> | satin finish.

Use for short term outdoor use, economical prints for framing, or prints mounted to Gatorboard (laminating not required).

### **Economy Poster**

This is printed on the same poster paper listed above, but it is printed at lower resolution so there is not as much detail or color saturation.

Use for layouts, mockups, and other non-critical work. Prints may show some banding in solid or gradated tones.

## **Photo Prints**

Our Photo Prints are printed on a Fuji DX100 printer using a 6-color piezoelectric inkjet system. They have a

larger dynamic range than silver halide prints providing a high-quality product at a lesser price than our fine art prints.

### **Photo Matte**

Even though this paper is called Fuji Fine Art Matte and it has a similar appearance to a fine art paper, do not confuse it with our fine art prints since it does not have the same color accuracy. The surface resembles a fiber base matte print. They are available in traditional photo sizes from 4x6 to 8x12 with or without borders.

Use for portraits and subjects where a soft feel is desired.

### **Photo Luster**

Fuji Luster prints are available in traditional photo sizes from 4x6 to 8x12 with or without borders.

Use for portraits and other prints where you want a traditional photo look, but slightly softer look than gloss.

### **Photo Gloss**

Fuji Gloss prints are available in traditional photo sizes from 4x6 to 8x12 with or without borders.

Use for images to give the most contrast and sharpness.

## Price Comparison

		8x10	12x18	16x20	24x30	30x40
Fine Art	Photo Rag	28.65	51.45	54.44	107.80	163.33
	Fine Art Pearl	28.65	51.45	54.44	107.80	163.33
	Fine Art Baryta	28.65	51.45	54.44	107.80	163.33
	Albrecht Dürer	28.65	51.45	54.44	107.80	163.33
	Bamboo	27.26	48.96	51.80	102.60	155.42
	Somerset Velvet	27.26	48.96	51.80	102.60	155.42
	Moab Entrada	27.26	48.96	51.80	102.60	155.42
	Enhanced Matte	21.46	43.32	45.84	90.75	137.50
	Premium Luster	21.46	43.32	45.84	90.75	137.50
	Premium Gloss	21.46	43.32	45.84	90.75	137.50
	Metallic Gloss	27.26	48.96	51.80	102.60	155.42

Wall Decor	C-Print Satin	10.95	19.50	26.67	55.00	83.33
	Premium Poster	N/A	15.11	20.67	42.63	64.58
	Economy Poster	N/A	11.00	11.00	19.80	30.00
	PosPro	N/A	27.02	36.93	76.20	115.42

Photo Prints	Photo Matte	7.25	N/A	N/A	N/A	N/A
	Pro Photo Luster	7.25	N/A	N/A	N/A	N/A
	Photo Gloss	7.25	N/A	N/A	N/A	N/A

Photo Print prices are web store prices.

		Life Span	Durability	Color Gamut	D-Max	White Point	technology	Finish	Surface	OBA	Min. size	Max size
Fine Art	Photo Rag	4	1	5	4	94	pigment	matte	smooth	yes	5x7	60x120
	Fine Art Pearl	4	2	5	5	105	pigment	gloss	textured	yes	5x7	44x100
	Fine Art Baryta	5	3	5	5	92	pigment	satin-gloss	smooth	no	5x7	36x100
	Albrecht Dürer	5	2	5	4	88	pigment	matte	textured	no	5x7	44x100
	Bamboo	5	3	4	4	83	pigment	matte	smooth	no	5x7	44x100
	Somerset Velvet	4	3	4	3	96	pigment	velvet	textured	yes	5x7	44x100
	Moab Entrada	5	3	4	4	84	pigment	matte	smooth	no	5x7	60x120
	Enhanced Matte	4	3	4	4	104	pigment	matte	smooth	yes	5x7	64x120
	Premium Luster	4	4	5	5	97	pigment	luster	smooth	yes	5x7	60x120
	Premium Gloss	4	4	5	5	92	pigment	gloss	smooth	yes	5x7	60x120
	Metallic Gloss	4	4	5	5	81	pigment	gloss	smooth	yes	5x7	44x100
Wall Décor	C-Print Satin	3	4	4	4	99	solvent	satin	smooth	yes	8x10	62x120
	Premium Poster	2	5	3	3	84	solvent	satin	smooth	yes	11x14	60x120
	Economy Poster	2	5	3	3	84	solvent	satin	smooth	yes	11x14	60x120
	PosPro	4	5	3	3	84	solvent	matte	smooth	yes	11x14	60x120
Photo Prints	Photo Matte	3	4	2	4	NA	Piezoelectric	matte	smooth	yes	wallet	8x12
	Photo Luster	3	4	2	4	NA	Piezoelectric	satin	smooth	yes	wallet	8x12
	Photo Gloss	3	4	2	4	NA	Piezoelectric	gloss	smooth	yes	wallet	8x12