



**ARCHES® INFINITY™**  
**MUSEUM QUALITY DIGITAL PHOTO & FINE ART INKJET PAPER**

**Overview**

Arches Infinity is fine art paper for digital printmaking. It is mould-made, acid-free, lignin-free, 100% cotton with a proprietary coating designed specifically for fine art and fine photographic prints made on inkjet printers using pigment-based or dye-based inksets. The paper offers maximum color gamut with true color fidelity, exceptional image permanence, and universal printer compatibility. It is museum quality, which means images created on Arches Infinity will last for generations.

**Physical Properties**

<b>Basis Weight 230 g/m<sup>2</sup> (6.7 oz/yd<sup>2</sup>)</b>	<b>Basis Weight 355 g/m<sup>2</sup> (10.4 oz/yd<sup>2</sup>)</b>
Smooth Finish: Caliper: 17 mils ± 1 (425 microns)	Smooth Finish: Caliper: 24.5 mils ± 1 (612.5 microns)
Textured Finish: Caliper: 19 mils ± 1 (475 microns)	Textured Finish: Caliper: 28 ± 1 mils (700 microns)
Whiteness: 90 pH value: 7 (Tappi method T509)	Whiteness: 90 pH value: 7 (Tappi method T509)

**Printer Compatibility**

Arches Infinity paper is universally compatible with most thermal and waterbased piezo printers. It is recommended that the user consult their printer's manual for instructions and settings for feeding heavy-weight papers. Check printer specifications to insure that your printer is capable of handling paper of the caliper (thickness) of Arches Infinity.

**Ink Compatibility**

Arches Infinity paper is compatible with both dye-based and pigment-based inks. Pigment-based inks, which enhance image permanence through improved light fastness, require paper with an inkjet receptive coating that can accept heavier ink loads without mottling. Arches Infinity addresses this requirement.

**Base Consistency**

The paper is 100% cotton, pH neutral, and lignin free. The bright white results from superior raw materials, not from optical brighteners, so slight variation from lot to lot may occur. The paper's imaging layers are consistent, yielding repeatable image performance.

**Color Profiles**

ICC color profiles for specific RIP, ink and printer combinations can be downloaded free at [www.archesinfinity.com](http://www.archesinfinity.com). New profile solutions are developed continuously; check back regularly for updates.

**Printing**

The paper is designed for museum-grade prints, so set your printer for the highest print quality. Use photobase or watercolor paper settings. The paper will accept ink coverage up to 400%. In certain cases, the paper's heavy weight may affect feed rate, so prints may differ slightly in size from print to print or from the expected size after RIPing. If your printer has an automatic cutter option, turn it off.

(continued)



### **Handling**

Observe normal curatorial care. Treat printed sheets as fine art and handle to avoid scuffing. When stacking prints, interleave with soft, smooth, acid-free paper or acid-free glassine slip sheets.

### **Surface Protection**

Always pretest laminates before actual application. Liquid laminates such as Clearshield, FrogJuice, Golden® MSA Varnish, and Bulldog D412 are compatible and provide excellent surface protection. Over-laminating with Magic® DMFTP can also be performed, but this adds a significant gloss to the paper and will emphasize the surface texture. In any event, Arches cannot be responsible for any impact that laminating or varnishing may have on the permanence or performance of Arches paper.

### **Re-working or Surface Enhancement**

Images on Arches Infinity can be safely re-worked with acrylic paints and polymer mediums. Pre-testing on scrap material is recommended to insure that desired effect can be achieved.

### **Mounting**

Follow museum mounting techniques, including Japanese hinges and mylar corners. Detailed information about fine art care and treatment standards is available at from FACTS at [www.artfacts.org](http://www.artfacts.org).

### **Framing**

Imaged sheets may be framed under glass, acrylic glazing, or other physical surface protection methods. Detailed information about framing is available from the Professional Picture Framers Association at [www.ppfa.com](http://www.ppfa.com).

### **Water Resistance**

A high degree of water resistance is present when pigment-based inks are used.

### **Image Permanence**

Internal image permanence testing was performed on Epson 9500 prints using an HPUV™ Actinic Light Exposure unit. These test results provide us with confidence that Arches Infinity, when imaged with pigmented inks, will last more than 100 years in museum conditions before noticeable fading or changes in color balance occur.

Arches Infinity has also undergone extensive independent testing for image permanence by Wilhelm Imaging Research, Inc: [www.wilhelm-research.com](http://www.wilhelm-research.com). Results of this testing are posted on [www.archesinfinity.com](http://www.archesinfinity.com) under Product Info.

### **Material Storage**

Unimaged material should be stored at 72° (± 5°). After use, rolls and sheets should be returned to their original packaging in the poly bag. Avoid exposure to elevated levels of airborne pollutants including ozone and volatile solvents such as those sometimes found in offset, screen printing and other printing or art studio environments where solvent based inks or cleaners are used. Do not store Arches Infinity in direct contact with acidic materials including acidic papers, cardboard, tapes or other materials containing plasticizers.