

# Wide-Format Inkjet and Digital Photo Paper Prints: Years of Print Display Before Noticeable Fading Occurs

For Members of the International Association of Fine Art Digital Printmakers  
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## HP Pigmented UV Inks for HP DesignJet 2500/3500CP Printers

Arches Hot Press Paper	(tests continuing)	>150 years
Legion Waterford DI Paper	(tests continuing)	>150 years
Hahnemühle Albrecht Dürer Paper <sup>(1)</sup>	(tests in progress)	
HP Studio Canvas	(tests in progress)	
HP High-Gloss White Film	(tests in progress)	
Legion Photo Enhanced Paper	(tests in preparation)	
HP Heavyweight Coated Paper		>100 years
Dr. Graphix Pure White Canvas		>100 years

## HP Dye-Based Inks for HP DesignJet 2500/3500CP Printers

HP Studio Canvas		14–16 years
Arches Hot Press Paper		6–7 years
Legion Waterford DI Paper		6–7 years
HP High-Gloss Photo Paper		6 years
HP Heavyweight Coated Paper		5 years

## Roland Pigmented Inks for Roland Hi-Fi Jet Printers

Legion Concorde Rag Paper	(tests continuing)	>100 years
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## ColorSpan EnduraChrome Inks for Giclée PrintMaker FA

Arches Cold Press Paper		75–80 years
ColorSpan Fine Art Detail Canvas		18–20 years
UltraStable Canvas (glossy)		16–18 years
ColorSpan Photobase Paper		8–10 years

## AIJ UV Gold Inks for ENCAD NOVAJET Printers

American Ink Jet UV Gold Glossy Paper		30–35 years
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## Ilford Archiva Dye-Based Inks for ENCAD Printers

Ilford Ilfojet Photo Glossy Paper (ONLY!)		70–80 years
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## ENCAD GA and GS Dye-Based Inks for ENCAD Printers

ENCAD QIS Photo Glossy Paper & QIS Canvas		1–2 years
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## ENCAD GO Pigmented Inks for ENCAD Printers

ENCAD QIS Photo Glossy Paper		>100 years
ENCAD QIS Canvas		>100 years

## Cerographic Giclée Prints<sup>(2)</sup>

(Pigment-Wax Hot-Melt Inkjet Process)		
Somerset Velvet Paper		26–28 years
UltraStable Canvas (glossy)		18–20 years

## Ataraxia Studio Collectors Color Prints<sup>(3)</sup>

(Pigment-Gelatin Digital Print Process)		
White Polyester-Base Prints	(tests continuing)	>150 years
RC-Base Photographic Paper	(tests continuing)	>150 years

## UltraStable Color Prints<sup>(4)</sup>

(Pigment-Gelatin Digital Print Process)		
White Polyester Print Media	(tests in preparation)	

## Fuji Pictography 3000/4000 Digital Color Printers

(Silver Halide/Dye-Transfer IR Laser Exposure Process)		
RC-Base Pictography Paper	(tests in preparation)	

## Current Photographic Color Negative Prints

Fujicolor Crystal Archive Paper		60 years*
Kodak Ektacolor Edge 7 and Royal VII Papers		18 years
Kodak Ektacolor Portra III Professional Paper		14 years
Konica Color QA Paper Type A7		14 years*
Agfacolor Paper Type 11		13 years

\* Predictions integrated with manufacturer's Arrhenius dark storage data

## Ilford Ilfochrome Silver Dye-Bleach Photographic Prints

Ilford Ilfochrome Classic Deluxe Polyester-Base		29 years**
Ilford Ilfochrome RC-Base Prints		29 years**

\*\* Data based on tests completed in 1992 with Ilford Cibachrome (the former name of Ilfochrome) prints

## **Notes:**

- 1) Paper available from Dia-Nielsen USA, Inc.: 609-829-9441
- 2) Cerographic Giclée Prints: [www.opaate.com](http://www.opaate.com)
- 3) Ataraxia Studio Collectors Color Prints: [www.abxstudio.com](http://www.abxstudio.com)
- 4) UltraStable Color Prints: [www.ultrastable.com](http://www.ultrastable.com)

The display-life predictions given here were derived from accelerated glass-filtered fluorescent light fading tests conducted at 75°F and 60% RH and are based on the "standard" indoor display condition of 450 lux for 12 hours per day employed by Wilhelm Imaging Research, Inc. Illumination conditions in homes, offices, and galleries do vary, however, and color images will last longer when displayed under lower light levels; likewise, the life of prints will be shortened when displayed under illumination that is more intense than 450 lux. The predictions given here are the years of display required for specified, easily noticeable fading, changes in color balance, and/or staining to occur. These display-life predictions apply only to the specific ink and paper combinations listed. ©1999 by Wilhelm Imaging Research, Inc. All rights reserved. Wilhelm Imaging Research, Inc., Box 775, Grinnell, Iowa 50112 U.S.A. • [www.wilhelm-research.com](http://www.wilhelm-research.com) • e-mail inquiries: [wilhelmweb@aol.com](mailto:wilhelmweb@aol.com)