

– Wide Format Printers –

Years of Print Display Before Noticeable Fading Occurs

For Members of the International Association of Fine Art Digital Printmakers

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Inks and papers in this column are for use with Iris inkjet printers)

Iris Graphics Equipoise Ink Set

Arches Cold Press Paper	32–36 years
Somerset Velvet Paper	20–24 years
UltraStable Canvas (glossy)	18–22 years
Bulldog Photo Rag Paper	18–20 years
Iris Canvas	16–18 years
Arches for Iris Paper	13–15 years
Liege Inkjet Fine Art Paper	2–3 years

Lyson Fine Arts Ink Set (FA-II M; ID C; FA-I Y+B)

Arches Cold Press Paper	32–36 years
Somerset Velvet Paper	20–24 years
Arches for Iris Paper	20–24 years
Iris Canvas	10–12 years
Liege Inkjet Fine Art Paper	2–3 years

Lysonic Fine Arts Inks with High-Stability #005 Yellow Ink

Arches Cold Press Paper	(tests in preparation)
Somerset Velvet Paper	65–75 years
Iris Canvas	(tests in preparation)

American Ink Jet Corp. “NE” Inks (C+M; Lyson FA-I Y+B)

Somerset Velvet Paper	4–6 years
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American Ink Jet Corp. “NE” Inks (C+M; Iris ID Y+B)

Somerset Velvet Paper	3–5 years
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Iris Graphics Industrial Design (ID) Ink Set

Arches Cold Press Paper	2–3 years [tentative]
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Iris Equipoise Black Ink (Only) in Monochrome Prints

Somerset Velvet Paper	(tests continuing) >150 years
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ColorSpan EnduraChrome Inks for Giclée PrintMaker FA

Arches Cold Press Paper	(tests continuing) 45–50 years
ColorSpan Fine Art Detail Canvas	18–20 years
UltraStable Canvas (glossy)	16–18 years
ColorSpan Photobase Paper	8–10 years

ENCAD GO Pigmented Inks for ENCAD Printers

ENCAD QIS Photo Glossy Paper	(tests continuing) >175 years
ENCAD QIS Canvas	(tests continuing) >175 years

ENCAD GA and GS Dye-Based Inks for ENCAD Printers

ENCAD QIS Photo Glossy Paper & QIS Canvas	1–2 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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Roland Pigmented Inks for Roland Hi-Fi Jet Printers

Legion Concorde Rag Paper	(tests continuing) >60 years
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HP Pigmented UV Inks for HP DesignJet 2500/3500CP Printers

Arches Hot Press Paper	(tests continuing) >100 years
Legion Waterford DI Paper	(tests continuing) >100 years
HP Heavyweight Coated Paper	(tests continuing) >100 years
Dr. Graphix Pure White Canvas	(tests continuing) >100 years

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

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

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 10	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

Note: 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. Print coatings tested to date have shown little if any benefit in terms of prolonging the display life of Iris inkjet prints (also known as Giclée prints); with some ink/paper/coating combinations, the coatings have even proven to be harmful to image stability. ©1999 by Wilhelm Imaging Research, Inc. All rights reserved. Wilhelm Imaging Research, Inc., P.O. Box 775, Grinnell, Iowa 50112 U.S.A. • www.wilhelm-research.com • e-mail: hwilhelm@aol.com