

Home and office prints resist fading



With HP Inkjet and Sprocket photo printing systems for home and small business



HP designs its printers, cartridges, and papers so that your prints will last. HP's portfolio of Original HP inks and photo papers print your precious photos so they stand the test of time.

Photo fade resistance

One element of photo quality and durability is fade from exposure to light when the photo is displayed. HP performs fade resistance testing in HP's Image Permanence Labs.¹ Additional testing has been done on some Original HP Ink cartridges by Wilhelm Imaging Research, Inc. (WIR), a leading independent test lab.

Photos printed with HP printers and Original HP inks on HP photos papers have vibrant colors and are enjoyable for a long time. Original HP Cartridges are the only cartridges precisely developed with HP printers for reliable quality and striking images, photo after photo.

Data sheet

HP Original Ink Cartridges and Photo paper

The table shows typical photo fade resistance using Original HP Inks and HP photo papers when displayed under glass. All were printed using HP consumer inkjet printers that are popular or recently introduced products.

Examples of fade resistance ratings: simulation of color photos printed with Original HP Ink Cartridges and HP Photo Papers, displayed under glass

Ink cartridge ²	Photo type & cartridges	Glass-covered display years
HP 62 Ink Cartridges	Color printing with Tri-color	55+ ³
HP 63/302/123/803 Ink Cartridges	Color printing with Tri-color	55+ ³
HP 64/303/804 Ink Cartridges	Color printing with Black and Tri-color	65 ³
HP 65/304 Ink Cartridges	Color printing with Tri-color	55+ ³
HP 564/178/364/862	Color printing with Tri-color	80 ³
HP GT52 Ink Bottle	Color printing with Cyan, Magenta, Yellow inks	75 ⁶
HP 31 Ink Bottle	Color printing with Cyan, Magenta, Yellow inks	75 ⁶

HP Sprocket Supplies

HP Sprocket Photo Paper using Zink technology⁴

When you choose HP Sprocket Photo Paper, your photos can last for decades.³

Photos under glass, fade resistance simulation

Glass-covered display years	
HP Sprocket Photo Paper and HP Sprocket Plus Photo Paper ⁴	43 ³

HP Sprocket 4 x 6" (102 x 152 mm) Photo Paper and Cartridges

Choose HP Sprocket 4 x 6" Photo Paper and Cartridges for sharing memories and keeping them in albums and scrapbooks.

Photos under glass, fade resistance simulation

Glass-covered display years	
HP Sprocket 4 x 6" (102 x 152 mm) Photo Paper and Cartridges	~10 ⁵

Photos stored in albums, scrapbooks and photo journals, fade resistance simulation

Dark storage years	
HP Sprocket 4 x 6" (102 x 152 mm) Photo Paper and Cartridges	100 ⁵

To prevent photos from fading, keep them in frames or photo albums. For best results, display photos indoors and away from direct sunlight.

HP hopes you will enjoy your photos for many years to come. HP printers, Original HP Ink cartridges, and HP photo papers are designed together for quality prints you can take pride in.

Business document fade resistance

Business documents such as letters, reports, emails, invoices, financial statements, legal documents, brochures, flyers, and sales material contain valuable content. Most often, these text and graphics documents are printed on plain paper by inkjet printers. HP office printers are designed for this type of business printing. Fade resistance is an element of the durability of these prints.



Usually, only the most important business documents are displayed and often under UV filter, instead of framed under glass. HP rigorously tests business document fade resistance on plain business paper to ensure that your documents will be readable and stable for years to come. Testing occurs in HP's Image Permanence Labs and at Wilhelm Imaging Research, Inc. (WIR), a leading independent test lab. The following table shows results for recently tested HP cartridges for fade resistance under UV filter to provide examples of typical durability.

Examples of fade resistance ratings: simulation for black and color documents printed with Original HP Ink Cartridges and Hammermill paper, displayed under UV filter.

Ink cartridge ²	Displayed under UV filter in years
HP 934/935	62 ⁶
HP 940	73 ⁶
HP 950/951	91 ⁶
HP 952	74 ⁶
HP 970/971	78 ⁶
HP 980	92 ⁶

In addition, some businesses store documents in folders or cabinets and review them periodically. Documents and photos printed on HP photo papers with Original HP inks for the office can last for over 200 years.⁷ You can count on HP prints on plain papers using pigment inks for HP OfficeJet Pro and HP PageWide printers to stay legible and useful for many, many years.

HP develops Original HP ink with HP printers and papers commonly used in the office so that your business documents resist fading from light for decades, whether stored in cabinets, folders, or on display under UV filter. HP develops Original HP inks with a variety of papers including HP photo papers so that your business and home printing will resist fading. Stored in folders, cabinets, or albums or displayed with some protection, your prints will resist fading from light for decades. HP inks provide high quality text, graphics, and photos and a reliable printing experience. Enjoy your home and business prints and photos with HP—an industry leader.

1. HP IPL refers to HP's Image Permanence Laboratory. HP IPL light fade, ozone fade, and thermal degradation test methods are similar to WIR methods; differences include lower humidity in light fade testing (50 %RH), and higher accelerated light intensity (90 Klux).

2. Inkjet SKUs and availability may vary by region. Some photo cartridges may be optional with certain printers.

3. Display permanence rating by HP Image Permanence Lab.

4. The ZINK™ Technology and ZINK™ Trademarks are owned by ZINK Holdings LLC. Used under license.

5. Display permanence rating by HP Image Permanence Lab. Dye sublimation technology in the cartridge and paper of the Sprocket Studio operates differently from inkjet technology.

6. Display permanence rating by Wilhelm Imaging Research.

7. See Wilhelm Imaging Research Dark Storage Permanence Statement at http://wilhelm-research.com/hp/WIR_Dark_Storage_Permanence_Statement_for_HP_2017-11-07.pdf