

WILHELM IMAGING RESEARCH, INC.

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WIR Certification of the Permanence of Plain-Paper Documents In Long-Term Storage Printed With Epson DURABrite Ultra And Epson DURABrite Pro Pigment Inks on Epson Bright White Inkjet Paper and Hammermill Inkjet Paper

1) Long-term multi-temperature Arrhenius dark storage permanence tests conducted at 57°C, 64°C, 71°C and 78°C (135°F, 147°F, 160°F, and 172°F) at 50% RH by Wilhelm Imaging Research, Inc. for Epson indicate that documents printed with Epson **DURABrite Ultra** pigment inks and Epson **DURABrite Pro** pigment inks on the following high-quality Epson and Hammermill plain papers and stored in the dark under ambient conditions of 24°C (75°F) and 50% RH will achieve WIR Plain Paper Storage Permanence Ratings of “**Greater Than 400 Years.**”

a) **Epson Bright White Paper** (plain paper for office printers)
(24 lbs./90 g/m² Epson U.S.A. Product Number SO41586)

b) **Hammermill Inkjet Paper** (plain paper for office printers)
(24 lbs./90 g/m² Hammermill U.S.A. Product Number 105050)

2) Wilhelm Imaging Research will issue a comprehensive report on the permanence of **Epson Bright White Paper** and **Hammermill Inkjet Paper** printed with **Epson DURABrite Ultra** pigment inks in August 2019. A separate report for **Epson DURABrite Pro** pigment inks will follow in September 2019. The reports, based on more than five years of laboratory research and testing, focus on water resistance and long-term dark storage permanence – including gradual paper yellowing – of these two high-quality plain papers, but also address light fading on long-term display, unprotected resistance to ozone, and resistance to high humidity.

3) Considering the many environmental hazards that a document may encounter over the years – including exposure to light, high-humidity conditions, atmospheric ozone, contact with water, and even total immersion in water – including seawater – pigment-based inks are a much more secure choice than dye-based inks for plain-paper printing, especially for legal records, government records, business documents, personal and family records, and documents that may be placed in libraries, museums, corporate collections, archives, and other institutions.