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.

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