

Durability of Mitsubishi HiTec Paper Inkjet media with pigmented Ink

Purpose:

We performed the accelerated light fastness test in order to extrapolate the image life of Mitsubishi HiTec Paper Inkjet media and got the following test result:

Media-Type:	Display Performance Rating (D.P.R.)	
	Epson Stylus Photo R2400 (Pig.)	Epson Stylus Pro 4000 (Pig.)
C 1995 – Photo paper, microporous, cast-coated, high gloss –Premium-	45 years	61 years
SG 2577 – Photo paper, microporous, resin-coated, gloss	89 years	-
SM 2576 – Photo paper, microporous, resin-coated, silk matt	109 years	-
SM 2574 P – Proofpaper, microporous, resin-coated, silk matt	74 years	
SL 2974 – Photo paper, microporous, resin-coated, lustre	89 years	-

*D.P.R.: Display Permanence Rating
D.P.R. is the indication how long the image last.

Conditions:

- Printer: Epson Stylus Photo R2400 (PX-5500):Pigmented Ink (UltraChrome K3) Epson Stylus Pro 4000 (PX-6000): Pigment Ink (UltraChrome)
- Color of ink: The ink of which faded 30% first.
- Start O.D.: D=1.0
- Illumination: White fluorescent lamp
- Glass: None
- Daily exposed intensity is assumed: 500 [lx] X 10h
- Temperature: 25C°, 50% RH

Warning:

Above image life is a calculated result under ambient conditions and may vary under conditions (like temperature, humidity, light, gas, etc.). Mitsubishi HiTec Paper does not give a guarantee under extraordinary conditions.

References:

- 1 . Henry Wilhelm, "A Review of Accelerated Test Methods for Predicting the image Life of Digitally-Printed Photographs," Proceedings of "Japan Hardcopy 2004" – The Annual Conference of the Imaging Society of Japan, pp.81-84, Tokyo, Japan, June2-4, 2004
- 2 . Henry Wilhelm "A Review of Accelerated Test Methods for Predicting the image Life of Digitally-Printed Photographs – Part II," Proceedings of "IS&T's NIP20:2004 International Conference on Digital Printing Technologies. P664-669, Salt Lake City Utah U.S.A., October 31 – November1