

Durability of Mitsubishi HiTec Paper Inkjet media with Dye 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.) | | |
|--|-------------------------------------|-----------------------|-------------------------------|
| | Canon iP 7500 (dye) | HP Deskjet 5550 (Dye) | Epson Stylus Photo R300 (Dye) |
| C 2093 – Photorealistic, cast coated, high gloss –eco- | - | 8 years | 22 years |
| C 2094 – Photorealistic, cast coated, high gloss –standard- | - | 16 years | 27 years |
| C 1995 – Photo paper, microporous, cast coated, high gloss –Premium- | - | 6 years | 13 years |
| SG 2577 – Photo paper, microporous, gloss | 37 years | - | 20 years |
| SM 2576 – Photo paper, microporous, silk matt | 43 years | - | 20 years |
| SM 2574 P – Proofing Paper, microporous | 37 years | - | 18 years |
| SL 2974 – Photo paper, microporous, luster | - | 25 years | 17 years |

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

Conditions:

- Printer: HP Deskjet 5550 (Dye), Epson Stylus Photo R300 (PM-D750) (Dye)
Canon IP 7500 (dye)
- Color of ink: The ink of which faded 30% first.
- Start optical density: 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