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IDEAlliance Hard Copy Proof Application Data Sheet

Veroproof® for SWOP Coated #3
Using Epson R2880 and Veroproof Contract Proofing Paper

The IDEAlliance Print Properties Working Group has established a certification process for hard copy proofs. In accordance with this process the appearance of a hard copy proof must have the ability to closely simulate specific CGATS or other documented characterization data sets within tolerances outlined in this document.

The following information is intended to assist producers and consumers in the use of vendor specified proofing materials in a hard copy proofing application.

See further explanations and recommendations outlined on www.swop.org or www.gracol.org.

I. Manufacturer

ColorQuick, LLC
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Pennsauken, NJ 08110

Certified on September 3, 2009

II. Product

Veroproof for SWOP Coated #3 (SWOP 3) is a proofing system simulating a standard commercial press on Epson R2880 printers using Epson UltraChrome™ K3 with Vivid Magenta Ink and Veroproof Contract Proofing Paper.

III. Introduction

Veroproof color matching is pre-adjusted to industry standards and requires no user intervention. The Veroproof processing system includes a proofing RIP that is operated through a standard web browser either locally or via LAN.

IV. Control Guide

Proof quality is checked by a patented visual verification system requiring no specialized hardware or software.

The Veroproof pre-printed bar (top) with verification bar (bottom)

Veroproof also automatically adds the IDEAlliance ISO 12647-7 Digital Control Strip to every proof, which should be checked for accuracy of the original values. Use and interpretation of a control guide is the responsibility of the creator.

The IDEAlliance ISO 12647-7 Digital Control Strip 2009

V. System Components

- Veroproof Control Software 1.0+
- Epson R2880 Printer
- Epson UltraChrome™ K3 with Vivid Magenta Ink
- Veroproof Contract Proofing Paper
- Computer with web browser (Microsoft Internet Explorer 6.0+ or Mozilla Firefox 2.0+)
- LAN or Broadband connection between web browser and Veroproof Control Software
- A calibrated spectrophotometer without UV filter

VI. Proofing Procedure

- Set up the printer according to manufacturer's instructions and make sure the Photo Black (not Matte Black) cartridge is installed.
- Set up the Veroproof Control Software by following the instructions found in the Veroproof User Guide
- Load Veroproof Contract Proofing Paper into printer and set paper selection in Veroproof Control Software to "Veroproof Commercial."
- Using a web browser, type the IP address as displayed on the Veroproof processor into the address bar:
- In the Veroproof File Upload page, select the proof type: "SWOP 3", choose the file and page(s) to print, and click "Print File".
- The proof may be viewed or measured a couple of minutes after printing and should remain consistent for several weeks or months under proper storage conditions. Like all colored media, Veroproof's color accuracy may deteriorate over time due to extremes of light, heat, humidity, chemical fumes, abrasion, etc.

For additional information, including details on Veroproof Custom Output Profile Calibration Service and proof verification tools, please refer to the Veroproof User Guide available on Veroproof.com.

VII. Finished Proof Characteristics

When a proof made according to the ADS is measured with an X-Rite Eye-One Pro (UV included) or like calibrated instrument, the IDEAlliance ISO 12647-7 Digital Control Strip 2009 should have the color characteristics referenced in Appendix 1.

VIII. Sample Proofs

ColorQuick, LLC has supplied three (3) sets of hard copy proofs to the IDEAlliance Proof Certification Process for measurement and retention, and the system has been verified to conform to this Application Data Sheet.

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Appendix 1
Characterization Data Values Per Hard Copy Certification Process Version 19
IDEAlliance ISO 12647-7 Digital Control Strip 2009 for SWOP 2006 Coated #3

SampleID	C	M	Y	K	L*	a*	b*	Max ΔE_{ab}
A1	100	0	0	60	31.96	-21.01	-26.32	
B1	100	100	0	60	15.57	11.12	-25.12	
A2	100	0	0	0	57.01	-37.23	-44.93	≤5
B2	100	100	0	0	26.85	18.1	-44.32	≤6
A3	70	0	0	0	66.13	-27.05	-33.43	
B3	70	70	0	0	40.96	16.18	-34.01	
A4	30	0	0	0	80.6	-11.73	-15.23	
B4	30	30	0	0	67.65	7.54	-17.07	
A5	0	100	0	60	25.8	40.75	-2.89	
B5	0	100	100	60	25.19	35	22.46	
A6	0	100	0	0	47.86	72.05	-3.12	≤5
B6	0	100	100	0	46.87	66.2	45.03	≤6
A7	0	70	0	0	59.04	51.45	-4.45	
B7	0	70	70	0	57.76	47.04	37.37	
A8	0	30	0	0	78.13	20.49	-3.14	
B8	0	30	30	0	77.05	17.93	18.32	
A9	0	0	100	60	47.67	-4.29	45.75	
B9	100	0	100	60	29.42	-36.88	12.46	
A10	0	0	100	0	87.97	-5.03	88.07	≤5
B10	100	0	100	0	52.12	-64.74	24.83	≤6
A11	0	0	70	0	89.29	-5.1	62.58	
B11	70	0	70	0	63.22	-41.12	21.01	
A12	0	0	30	0	91.25	-2.9	25.09	
B12	30	0	30	0	79.31	-15.61	8.86	
A13	100	0	40	0	54.86	-51.51	-16.56	
B13	100	40	0	0	44.63	-16.6	-44.14	
A14	40	100	0	0	38.04	51.19	-21.63	
B14	0	100	40	0	47.87	69.02	16.48	
A15	0	40	100	0	69.74	23.45	67.24	
B15	40	0	100	0	72.78	-24.61	60.84	
A16	0	40	70	40	49.56	15.84	31.46	
B16	10	40	40	0	68.5	19.94	18.61	
A17	0	70	40	40	40.95	33.29	12.02	
B17	20	70	70	0	52.19	36.34	27.23	
A18	40	70	0	40	34.07	22.6	-16.52	
B18	0	70	70	40	40.35	32.02	25.09	
A19	40	0	70	40	52.25	-17.94	25.76	
B19	70	0	40	40	45.99	-26.02	-2.95	
A20	70	40	0	40	36.95	-2.07	-25.02	
B20	0	0	0	0	92.5	0	0	≤3
A21	0	0	0	3	90.39	-0.06	-0.22	
B21	3.1	2.2	2.2	0	90.08	-0.02	-0.08	
A22	0	0	0	10	85.55	-0.19	-0.73	
B22	10.2	7.4	7.4	0	84.59	-0.04	-0.22	
A23	0	0	0	25	75.42	-0.38	-1.58	
B23	25	19	19	0	73.54	-0.15	-0.48	
A24	0	0	0	50	58.35	-0.51	-2.27	
B24	50	40	40	0	56.43	-0.49	-0.42	≤3
A25	0	0	0	75	39.36	-0.34	-1.8	
B25	75	66	66	0	39.8	-0.33	0.14	
A26	0	0	0	90	27.05	-0.14	-0.91	
B26	100	100	100	0	24.79	0.22	-0.52	
A27	0	0	0	100	18.04	0.01	-0.11	≤5
B27	80	70	70	100	8.91	-0.43	-0.21	

Note: CIELab values for 3-color 3%, 10%, 25% and 75% patches are interpolations of the IT8/7.4 characterization data.