Certified 07/21/08

IDEAlliance® Off-Press Proof Application Data Sheet

ORIS Digital Proofing System™ using ORIS PearlPROOF™ Select for Epson x880 Series printers

Gracol®[1] Grade 1 Off-Press Proof Application Data Sheet

The IDEAlliance Print Properties Working Group has established a certification process for off-press proofs as input material to publications. In accordance with this process: "The appearance of a hard copy or monitor proof used in this application must have the ability to closely match specific CGATS or other documented characterization data sets within outlined tolerances. See further explanations and recommendations outlined on www.swop.org or www.gracol.org.

The following information is intended to assist producers and consumers in the use of vendor specified proofing materials in an off-press proof application:

I. Manufacturer

CGS Publishing Technologies International, LLC.

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II. Product

ORIS Digital Proofing System™ for Epson 4880, 7880, 9880 printers consists of the ORIS Color Tuner ™, Epson 8-color Epson® K3™ ink sets and **ORIS PearlPROOF™** Select (PSMS) paper.

III. Introduction

The Epson printer models listed above in section (II) is a non-halftone, digital ink-jet proofing system. It utilizes Epson's Micro Piezo™ technology and K3 ink set, allowing it to achieve photo reproduction quality continuous tone proofs. This document contains CGS ORIS operating procedures for conformance to GRACoL #1.

IV. Control Guide

IDEAlliance specifies a control guide such as an ISO 12647-7 Digital Control Strip 2007 be supplied on every off-press proof. As a minimum, any control guide used for proofing applications should contain solids for the primary process colors (YMCK), two-color overprints (RGB) and a three-color overprint (YMC), as well as a 25%, 50%, and 75% tint in stated line screen resolution of each of the primary process colors and 3-color gray patches. All control guides should be checked for accuracy of the original values. Use and interpretation of a control guide is the responsibility of the creator.

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V. System Components

The following components and limited procedures shall be used with ORIS Digital Proofing System™ in order to achieve conformance with this Application Data Sheet.

Software: ORIS Color Tuner Pro software, ORIS Certified Proof for verification of ISO 12647-7 Digital Control Strip 2007

Measurement Devices: X-Rite i1 iSis for Calibration, X-Rite i1 Pro (non-UV) for ISO 12647-7 Digital Control Strip 2007

Setup Guide: Color Tuner Calibrate+ApplyMatch.pdf (SWOP) *Contact CGS for guide.*

VI. Finishing Procedures

Proofs should not be measured for 15 minutes to allow for ink dryback. No special Finishing requirements are needed for ORIS Digital Proofing System.

VII. Finished Proof Characteristics

A proof with the color characteristics referenced in Appendix 1 is to be expected when measured from the IDEAlliance ISO 12647-7 Digital Control Strip 2007 having been properly made to all the listed system components and finishing procedures.

Note: Three-color grays are comprised of Cyan, Magenta, Yellow: 75, 66, 66; 50, 40, 40; and 25, 19, 19 values.

X-Rite i1 Pro rev B. (Non-UV) was used to measure ISO 12647-7 Digital Control Strip 2007

(ORIS Certified Proof setup files and procedures available upon request)

VIII. Sample Proofs

CGS Publishing Technologies International, LLC. has supplied three (3) sets of hard copy proofs for retention that conform to this Application Data Sheet by an IDEAlliance certifying contractor.

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Appendix 1
Characterization Data CIELab Values

IDEAlliance ISO 12647-7 Control Strip 2007 for GRACoL 2006 Coated #1

Patch ID Top	CIELab Data			Maximum
	L*	a*	b*	CIE ΔLab
A1	30.05	-22.65	-28.82	-
A2	54.96	-37.12	-50.00	5
A3	66.60	-25.13	-37.01	-
A4	82.64	-9.99	-17.85	-
A5	26.45	41.59	-1.73	-
A6	47.93	74.11	-3.01	5
A7	60.35	51.93	-5.67	-
A8	80.03	20.38	-5.35	-
A9	48.53	-5.30	49.19	-
A10	88.94	-5.02	93.17	5
A11	90.56	-4.57	63.58	-
A12	92.84	-2.51	24.77	-
A13	52.53	-53.19	-19.34	-
A14	37.89	52.56	-22.07	-
A15	70.88	22.91	72.40	-
A16	50.86	15.13	33.06	-
A17	42.17	33.42	13.25	-
A18	34.60	23.09	-17.15	-
A19	52.45	-18.04	26.12	-
A20	36.56	-1.43	-26.62	-
A21	92.88	-0.08	-1.96	-
A22	87.93	-0.20	-1.98	-
A23	77.43	-0.40	-1.93	-
A24	59.77	-0.53	-1.61	-
A25	39.75	-0.57	-1.02	-
A26	25.57	-0.21	-0.53	-
A27	14.95	0.19	-0.14	5

Patch ID Bottom	CIELab Data			Maximum
	L*	a*	b*	CIE ΔLab
B1	15.18	8.84	-24.61	-
B2	24.13	17.20	-46.14	6
B3	40.84	17.09	-35.77	-
B4	69.57	8.37	-19.26	-
B5	26.22	35.38	24.54	-
B6	47.37	68.25	48.79	6
B7	59.09	47.55	39.25	-
B8	78.62	17.92	18.20	-
B9	28.47	-39.38	12.04	-
B10	50.12	-68.43	25.00	6
B11	62.69	-41.44	20.96	-
B12	80.64	-14.75	8.25	-
B13	42.57	-16.27	-48.19	-
B14	48.28	70.95	17.76	-
B15	72.70	-25.21	65.09	-
B16	70.23	19.71	18.63	-
B17	53.40	36.61	28.63	-
B18	41.61	32.01	26.83	-
B19	45.40	-26.20	-3.82	-
B20	95.00	-0.02	-1.96	3
B21	92.43	0.19	-2.06	-
B22	86.74	0.31	-2.04	-
B23	75.52	0.07	-1.50	-
B24	57.54	-0.12	-1.44	3
B25	39.39	-0.30	-0.55	-
B26	23.00	0.17	-0.25	-
B27	8.46	0.34	0.44	-

Note: Color measurements comparing measured proof data to this reference data requires the use of a calibrated spectrophotometer.