



Certified 04/23/08



## Off-Press Proof Application Data Sheet

### Onyx Graphics ProductionHouse Profile Generator with Epson 11880 For GRACoL #1 Proofs

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](http://www.swop.org) or [www.gracol.org](http://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:

Onyx Graphics, Inc. 6915 South High Tech Drive Midvale, Utah 84043

#### II. Product

Onyx Graphics ProductionHouse RIP with Onyx Profile Generator - Epson 11880 on Epson Premium Luster Photo Paper 260g with UltraChrome Ink for GRACoL # 1 Proof.

#### III. Introduction

The Onyx Graphics ProductionHouse RIP and the included ICC Profile Generator are used to profile and print to the Epson 11880 Printer on Epson Premium Luster Photo Pater 260g with UltraChrome ink. Proofs are printed with Onyx Stochastic dot pattern, advanced gray balance media model for improved gray accuracy.

#### IV. Control Guide



IDEAlliance specifies a control guide such as an ADS Proofing Certification Strip be supplied on every off-press proof. As a minimum, this guide 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.

## **V. System Components**

The Onyx Graphics ProductionHouse Media Manager is used to profile the Epson Premium Luster Photo Paper 260g with stochastic dot pattern. Proof is generated to match the GRACoL #1 standard. The media is profiled according to standard instructions to be found with the Onyx Graphics ProductionHouse documentation and training DVD that is provided with all Onyx Graphics ProductionHouse packages. Implementation of the Advanced Gray balance media model was used for this process. Output ICC profile for the media profile is generated using Onyx Graphics ProductionHouse Profile Generator with default black generation settings. The Profile Generator made use of the included extreme accuracy scrambled swatch. Stochastic dot pattern, 720, unidirectional print. Input ICC profile used was the GRACoL2006\_Coated1v2.icc courtesy of X-rite, available from <http://www.gracol.org/resources/ICC2006.zip>. Proof was printed with "Absolute Colorimetric" rendering intent settings for Graphics and Vector data with the default ICC profile created as described above. Profiled media name created by Onyx Graphics is PremiumLusterPhoto260G-GRACoL G7. UltraChrome ink set used 3 levels of Photo K ink for this media profile.

## **VI. Finishing Procedures**

Dry time of 30 minutes was allowed prior to readings for verification of CIELab comparison. X-Rite DPT70 without UV filter was used to measure the IT8.7/4 target.

## **VII. Finished Proof Characteristics**

A proof with the color characteristics referenced in Appendix 1 is to be expected when measured from the ADS Proofing Certification Strip 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.

## **VIII. Sample Proofs**

Onyx Graphics, Inc. has supplied three (3) sets of hard copy proofs that conform to this Application Data Sheet and have been certified by the IDEAlliance certification conductor.

# Appendix 1

## Characterization Data CIELab Values

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

Patch ID	CIELab Data			Maximum
	L*	a*	b*	$\Delta E$ -2000
A1	30.05	-22.65	-28.82	-
A2	54.96	-37.12	-50.00	7
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	7
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	7
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	-

Patch ID	CIELab Data			Maximum
	L*	a*	b*	$\Delta E$ -2000
B1	15.18	8.84	-24.61	-
B2	24.13	17.20	-46.14	7
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	7
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	7
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	-

**Note:** Color is measured with a calibrated EyeOne Pro spectrophotometer.