IDEAlliance® Hard Copy Proof Application Data Sheet

ORIS Digital Proofing System™ using ORIS PearlPROOF™ Select for Canon iPF 6300/6350/8300 printers

GRACoL® Coated #1 Off-Press Proof Application Data Sheet

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.

I. Manufacturer
CGS Publishing Technologies International, LLC
100 North Sixth Street, Suite 308B
Minneapolis, MN 55403
Telephone +1 (612) 870-0061 Fax +1 (612) 870-0063

II. Product
ORIS Digital Proofing System™ for Canon iPF 6300/6350/8300 printers consists of the ORIS Color Tuner // Web ™, Canon 12-color LUCIA EX ink sets and ORIS PearlPROOF™ Select (PSMS) paper

III. Introduction
The Canon printer models listed in the above section (II) are digital ink-jet proofing systems. By utilizing Canon’s advanced printing technology, the combination of the FINE print head technology and the L-COA processor allow the Canon imagePROGRAF printers to produce vibrant, photo-realistic proofs at unprecedented speeds. This document contains CGS ORIS operating procedures for conformance to GRACoL #1.
IV. Control Guide

IDEAlliance specifies that a Control Guide: the IDEAlliance ISO 12647-7 Digital Control Strip, or a similar target containing the same patches or a super-set thereof, be included on every hard copy proof. The control guide file should be checked for accuracy of the original CMYK percentage values, as listed in the Annex.

NOTE: The IDEAlliance ISO 12647-7 Digital Control Strip 2009 supersedes any previous ADS Proofing Certification Strip for conformance to this process. The control guide can be downloaded from the IDEAlliance.org web site. Practical production tolerances are discussed in the Read Me file included with the Control Guide.

The rendered control guide shall adhere to the appropriate characterization data and tolerances shown in the Annex.

V. System Components and Manufacturing Procedures

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


Measurement Devices: X-Rite i1 iSis (UV included) for Calibration, X-Rite i1 Pro (no UV filter) for IDEAlliance ISO 12647-7 Digital Control Strip 2009

Setup Guide: Color Tuner Calibrate+ApplyMatch.pdf (GRACoL/SWOP) Contact CGS for the setup 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

Note: Verbal forms for the expressions of provisions referenced below are: shall means ‘is required’ and should means ‘is recommended’.

A proof that has been rendered utilizing the system components, process steps, and finishing procedures contained in the Application Data Sheet should exhibit the color characteristics referenced in the Annex when measured from the IDEAlliance ISO 12647-7 Digital Control Strip or similar target.

Visual evaluation of finished proofs should take place under standard D50 lighting, as specified in ISO 3664.

Proof Tolerances

- Solid cyan, magenta, yellow, black shall be Delta Eab ≤5.0 from the characterization data set.
- Solid red, green, and blue shall be Delta Eab ≤6.0 from the characterization data set.
- The difference between the characterization data set white point and the proof white point shall be Delta Eab ≤3.0.
- The difference between the 50% CMY gray balance patch values and the characterization data set shall be Delta Eab ≤3.0.

Note: The verbal forms of should and shall are used to indicate requirements strictly to be followed in order to conform to the document and from which no deviation is permitted i.e. shall “is required” and should “is recommended”.
VIII. Sample Proofs

CGS Publishing Technologies International, 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.
## Annex

**IDEAlliance ISO 12647-7 Digital Control Strip 2009 for GRACoL 2006 Coated #1**

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