

Kodak Polychrome Graphics A Subsidiary of Kodak

# SWOP<sup>®</sup> Off-Press Proof Application Data Sheet

# KODAK MATCHPRINT Inkjet with EPSON 4800/7800/9800 Inkjet Printer

The SWOP Review Committee has approved the use of off-press proofs as input material to publications. SWOP specifications recommend that: "The appearance of an off-press proof used in this application must closely simulate a SWOP Certified Press Proof." See other explanations and recommendations as outlined on pages 21 and 41 of the 2005 edition of the SWOP specifications.

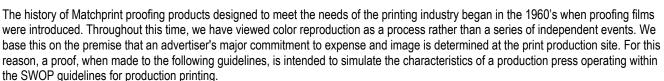
# I. Manufacturer

Kodak Polychrome Graphics (A Subsidiary of Kodak) 401 Merritt 7, 3<sup>rd</sup> Floor Norwalk, CT 06851

#### II. Product

#### Kodak Matchprint Inkjet with Epson 4800/7800/9800 Inkjet Printer

#### **III. Introduction**



# **IV. Control Guide**

SWOP specifies that a control guide such as a SWOP Proofing Bar be supplied on every off-press proof. As a minimum, this guide should contain solids for the primary process colors and two-color overprints, as well as a 25%, 50%, and 75% tint in each of the process colors. A control guide containing these imaging characteristics must be present on every proof. All control guides should be checked for accuracy of the original values. Use and interpretation of a control guide is the responsibility of the user.

## V. System Components

Hardware:

- EPSON Stylus Pro 4800/7800/9800 (x800) inkjet printer with EPSON UltraChrome K3 ink in Photo Black mode
- KODAK MATCHPRINT Pro Publication SM245P inkjet media
- X-RITE AutoScan Spectrophotometer DTP-41 with UV filter and white plaque DTP41-55 or GretagMacbeth SPECTROSCAN with UV filter or GretagMacbeth EYE-ONE UV Cut

#### Software:

• KODAK Proofing Software for Matchprint Inkjet v3.x



Certified - November 2005

#### Setup and Protocol:

Refer to the KODAK Proofing Software User's Guide for the following procedures:

Job Settings: Device Link: Mx8\_PSM245P\_7x7\_SWOP\_1v2.dvl

Calibrate the EPSON Stylus Pro x800 for use with KODAK MATCHPRINT Pro Publication SM245P inkjet media utilizing the Epson\_x800\_PSM245P\_720X720\_1 media configuration.

#### **VI. Finishing Procedures**

Not applicable.

#### **VII. Finished Proof Characteristics**

A properly made proof should have the following color characteristics:

Color	Density Absolute	TVI @ 50% (Dot Gain) (± 3)	Print Contrast @ 75% Tone (± 5)	L*	Colo a*	r (per CGATS.5)* b*	C*	h(ab)*	$\frac{\text{Maximum}}{\Delta E_{ab}^{*}}$
Yellow	0.99 (± 0.04)	16	28	85.1	-5.4	84.3	84.3	93.6	4
Magenta	1.60 (± 0.04)	20	39	46.9	71.4	-1.8	71.5	358.0	3
Cyan	1.27 (± 0.04)	21	32	57.5	-39.5	-41.4	57.0	226.0	3
Black	1.54 (± 0.06)	25	39	19.6	1.3	0.9	n/a	n/a	4

Background Density (+/-0.02):  $D_c = 0.10 D_m = 0.11 D_y = 0.13$ 

\*CIELabCh values represent measurements at target density.

The following data are for reference only in addition to the conformance information shown above.

	CIELab Values									
Area	L*	a*	b*	C*	h (ab)*					
Background/ Substrate	91.0	0.1	2.9	n/a	n/a					
Black 25%	71.8	0.3	1.6	n/a	n/a					
3-Color Gray 25%	71.3	-0.2	-0.3	n/a	n/a					
Black 50%	53.9	-0.5	1.1	n/a	n/a					
3-Color Gray 50%	53.2	-0.6	-0.3	n/a	n/a					
Black 75%	40.3	-0.8	0.4	n/a	n/a					
3-Color Gray 75%	39.2	-2.2	0.3	n/a	n/a					
Red (overprint)	47.1	66.2	42.5	78.5	32.5					
Green (overprint)	52.2	-63.6	29.2	70.0	155.2					
Blue (overprint)	25.7	19.2	-41.3	45.5	294.5					

Three-color grays made up of Cyan, Magenta, Yellow: 75, 63, 63; 50, 39, 39; and 25, 16, 16 values.

**Note:** All measurements were made using a calibrated Gretag<sup>™</sup> SPM50 spectrophotometer (D50 illuminant, 2° observer, non-polarized). The density (Status T) and colorimetric values are absolute, base included, measured over a black backup. TVI's were calculated using the Murray-Davies equation (CGATS.4). All tolerances reflect normal systems variability and assume the use of a calibrated measurement device.

## VIII. Sample Proofs

Kodak Polychrome Graphics has supplied sets of two proofs that conform to this Application Data Sheet to SWOP for their analysis and retention.

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