

KODAK PROFESSIONAL Digital Paper, Type 2976



— Improved Paper for Digital Applications —

—NOTICE—

Discontinuance of KODAK PROFESSIONAL Digital Paper, Type 2976

This paper has been discontinued and replaced by KODAK PROFESSIONAL Digital III Color Paper

DESCRIPTION

KODAK PROFESSIONAL Digital Paper, Type 2976, is a resin-coated, silver-halide color paper designed for digital printers that use LED, CRT, or laser printing devices.

Use KODAK EKTACOLOR RA Chemicals for Process RA-4 to process this paper.

Compared with traditional color papers, Type 2976 paper features the following—

FEATURES	BENEFITS
• Higher D-max	• Blacker blacks
• Sensitivity optimized for digital writers	• Improved color reproduction
	• Significantly reduced text (image) flare
	• Higher quality output from digital writers
	• Requires less power from digital writers

SIZES AVAILABLE

PROFESSIONAL Digital Paper, Type 2976, is available in roll and sheet sizes in E, F, and N surfaces. Sizes and CAT numbers differ from country to country.

Note: As this is a new product, customer requirements for different sizes and surfaces are evolving. All sizes and surfaces may not be available initially. For more information about sizes and surfaces available, contact your Kodak representative.

STORAGE AND HANDLING

Store unexposed paper at 13°C (55°F) or lower in the original sealed package. High temperatures or high humidity may produce unwanted quality changes.

To avoid moisture condensation on paper that has been refrigerated, allow it to warm up to room temperature before opening the package. For best results, remove the paper from cold storage the day before you use it, or allow the paper to warm up for the appropriate time from the following table.

Warm-Up Times (Hours) to Reach Room Temperature (21°C [70°F])			
Size	From a Storage Temperature of		
	-18°C (0°F)	2°C (35°F)	13°C (55°F)
8 x 10-inch (100-sheet box)	4	3	2
11 x 14-inch (50-sheet box)	3	2	2
20-inch x 164-foot roll	8	7	4
30-inch x 164-foot roll	10	8	5
40-inch x 164-foot roll	11	9	6
50-inch x 164-foot roll	12	10	7

Handle paper carefully by the edges. The paper is packaged with the emulsion side of all sheets facing in the same direction.

Note: If you use the cardboard box to store or transport this paper in white light, be sure to use the inner bag *and* the two-part cardboard box to protect the paper.

DARKROOM RECOMMENDATIONS

Handle this paper in total darkness. Be sure that your printing and processing darkrooms are lighttight. Carefully control stray light within your printing equipment.

Note: Using a safelight *will* affect your results. This paper is much faster than traditional color papers. It is very sensitive to safelights; sensitometric shifts can occur before you observe any changes in D-min.

EXPOSURE

Exposing Equipment

Expose this paper in various types of digital enlargers and printers, such as (but not limited to)—

- Durst Lambda Printers
- Cymbolic Sciences LightJet Series
- H.K. Productions PW Printer
- KODAK LF CRT Color Printer
- KODAK LED Digital Color Printer
- Kreonite Laser Light 3000 Printers

This paper is optimized for the short exposure times used with digital writers. Because of the nature of printing with digital writers, we cannot provide starting-point recommendations for this paper; we recommend that you test the paper and calibrate your printer to achieve optimum results.

Note: This paper *is not* designed for optical printing. It *may* be suitable for some optical applications; however, this paper will not print at the same speed or color balance as papers designed for optical printing.

Equipment Calibration

For optimum results, follow your equipment manufacturer's recommendations for calibrating your printing equipment.

LATENT-IMAGE KEEPING

For best results, process paper on the same day you expose it. (If latent-image shifts occur, minimize them by keeping the time between exposure and processing the same for all paper.)

PROCESSING

Use KODAK EKTACOLOR RA Chemicals for Process RA-4 to process this paper in continuous or roller-transport processors. Use the same replenishment rates that you currently use to process KODAK EKTACOLOR ULTRA Paper.

Note: Some product characteristics of Type 2976 paper are slightly different than those of traditional color papers. One characteristic makes this paper more sensitive to developers that are contaminated with bleach-fix. Depending on the level of bleach-fix contamination, the cyan-dye forming layer will show higher contrast.

If you detect a sudden increase in cyan contrast with Type 2976 paper, bleach-fix contamination is a probable cause. If the effect is severe, we recommend that you dump the developer solution, clean the tank thoroughly, eliminate the source of contamination (if possible), and refill the tank with fresh developer.

Use a drying temperature below 96°C (205°F).

VIEWING PRINTS

Evaluate prints under light of the same color and brightness that you will use to view the final prints. A good average viewing condition is a light source with a color temperature of 5000 $\pm$ 1000 K and a Color Rendering Index (CRI) of 85 to 100 (we recommend a CRI greater than 90). Fluorescent lamps such as the cool white deluxe (made by several manufacturers) meet these conditions. You can also use warmer lamps such as the Phillips 5000 K Ultralume, or a mixture of incandescent and fluorescent lamps. For each pair of 40-watt cool white deluxe fluorescent lamps, use a 75-watt frosted tungsten bulb.

RETOUCHING

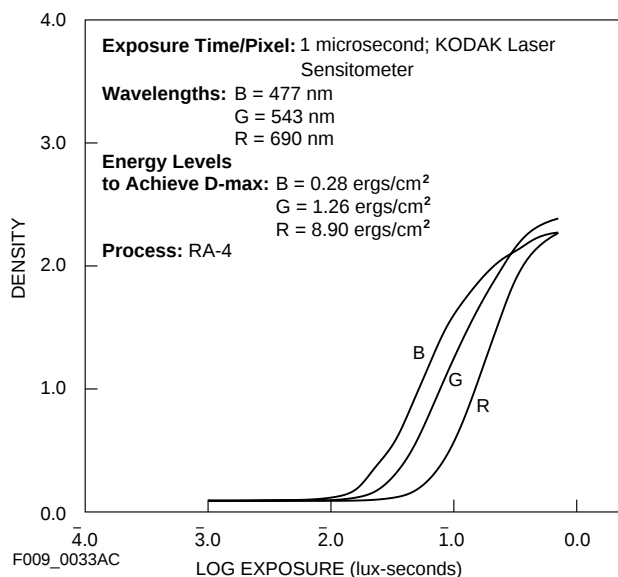
To retouch prints on this paper, use the same techniques and methods that you use with traditional color papers.

MOUNTING PRINTS

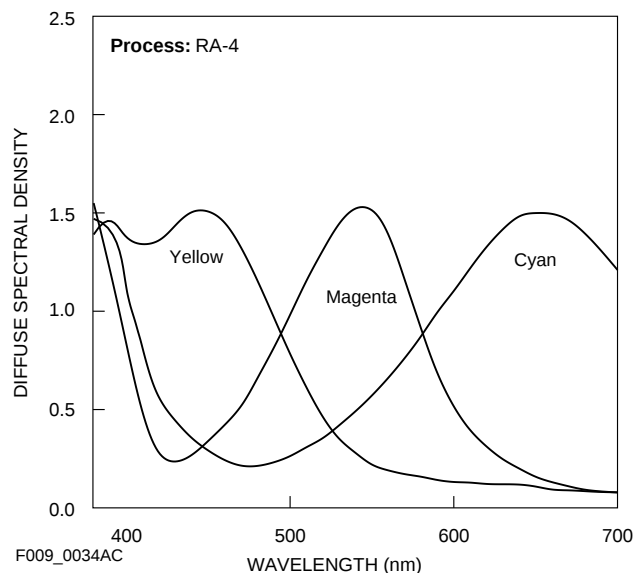
You can mount prints with KODAK Dry Mounting Tissue, Type 2. The temperature across the heating platen of the mounting press should be between 79 and 93°C (175 and 200°F). Temperatures above 93°C (200°F) or high pressure may cause physical and color changes in prints. Preheat the cover sheet that you use over the face of the print to remove moisture. Apply pressure for 30 seconds or longer for a thick mount.

CURVES

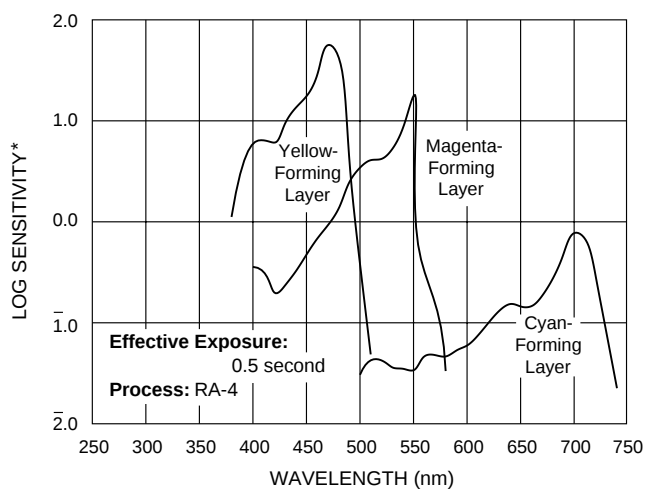
Characteristic Curves



Spectral-Dye-Density Curves



Spectral-Sensitivity Curves



*Sensitivity = reciprocal of exposure (erg/cm²) required to produce specified density

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NOTICE: The sensitometric curves and data in this publication represent product tested under the conditions of exposure and processing specified. They are representative of production coatings, and therefore do not apply directly to a particular box or roll of photographic material. They do not represent standards or specifications that must be met by Eastman Kodak Company. The company reserves the right to change and improve product characteristics at any time.

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Note: The Kodak materials described in this publication for use with KODAK PROFESSIONAL Digital Paper, Type 2976, are available from dealers who supply Kodak products. You can use other materials, but you may not obtain similar results.



Kodak Professional Division
EASTMAN KODAK COMPANY

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