

# KODAK Matte Canvas / 19mil



## GENERAL DESCRIPTION

Durable material for indoor or outdoor signs and banners.

- Textured matte surface on heavy 19-mil cotton/polyester-blend canvas base
- Versatile water-resistant coating for indoor and outdoor applications
- Optimized for indoor/outdoor pigment based applications

## COMPATIBILITY

When used with the following printers and inks, KODAK Matte Canvas / 19mil is recommended for all applications. Recommendations will provide optimal output when using printing paths commonly associated with each printer. These settings are intended as starting points—other combinations of settings may also provide good results. See “Printing Notes” for more information. “Yes” in the Laminate Recommendation column indicates that this media is likely to have good adhesion with laminates in that class.

For compatibility information for all KODAK Wide-Format Inkjet Media, refer to the Inkjet Media Compatibility Chart at [www.kodak.com/go/wideformat](http://www.kodak.com/go/wideformat).

Manufacturer	Model	Ink Compatibility		Laminate Recommendation (See Finishing Section)			
		Ink	Print Driver Media Setting	Heat Activated Thermal 210-240°F (99-116°C)	Heat Activated Low Temperature 185-195°F (85-91°C)	Heat Assisted 185-195°F (85-91°C)	Pressure Sensitive Ambient to 120°F (49°C)
KODAK PROFESSIONAL	3038/3043/3062	Dye <sup>†</sup> , Pigment	See Printing Notes	No	Yes	Yes	Yes
KODAK PROFESSIONAL	4042/4060/4742/4760/4860	Pigment	See Printing Notes	No	No	No	No
HEWLETT-PACKARD DESIGNJET	800	Dye	<b>Heavy Coated Paper</b>	No	No	No	Yes
HEWLETT-PACKARD DESIGNJET	1050C/1055CM	Dye	<b>Heavy Coated Paper</b>	No	No	No	Yes
HEWLETT-PACKARD DESIGNJET	2000/2500/2800/3000/3500/3800 CP	Dye <sup>†</sup> , UV	See Printing Notes	No	No	No	Dye: Yes UV: No
HEWLETT-PACKARD DESIGNJET	5000 Series	Dye <sup>†</sup>	See Printing Notes	No	No	No	Yes
HEWLETT-PACKARD DESIGNJET	5000 Series	UV	See Printing Notes	No	Not tested	Not tested	Not tested
ENCAD NOVAJET	500	GA, GS, GX <sup>†</sup> , GO+	See Printing Notes	No	No	No	Yes
ENCAD NOVAJET	600/700 series	GA, GS, GX <sup>†</sup> , GO+	See Printing Notes	No	No	No	Yes
ENCAD NOVAJET	850	GS+, GX <sup>†</sup> , GO+	See Printing Notes	No	No	No	Yes
ENCAD NOVAJET/ KODAK	1000i/ 1200i	Qi Dye	See Printing Notes; Printer Heater Setting: Fans Only	No	No	No	Yes
ENCAD NOVAJET/ KODAK	1000i/ 1200i	Qi Pigment	See Printing Notes; Printer Heater Setting: Fans Only	No	No	No	Yes

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Manufacturer	Model	Ink Compatibility		Laminate Recommendation (See Finishing Section)			
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COLORSPAN DISPLAYMAKER	Hi-Res 8	EC†, PC	<b>Detail Canvas</b>	No	No	No	Yes
COLORSPAN DISPLAYMAKER	Esprit/ Series XII	EC†, PC	See Printing Notes	No	No	No	Yes
CANON	7250D/7200D/ 8200D/8400D	Dye	<b>Heavy Coated Paper</b>	No	No	No	Yes
CANON	6200Pg/ 8200Pg	Pigment	<b>Heavy Coated Paper</b>	No	No	No	Yes
CANON	6400Pg/ 8400Pg	Pigment	<b>Heavy Coated Paper</b>	No	No	No	Yes
MUTOH FALCON	RJ-4100, RJ-6100	Dye†, Pigment	See Printing Notes	No	No	No	Yes
ROLAND	Hi-Fi Jet FJ-50/ FJ-40, Hi-Fi Jet Pro FJ-400/ FJ- 500/FJ-600	Dye†, Pigment	See Printing Notes	No	No	No	Yes
EPSON STYLUS PRO	7000/9000	Dye†	See Printing Notes	No	No	No	Yes
EPSON STYLUS PRO	7600/9600/ 10000/10600	Photographic Dye†	<b>Heavyweight Polyester Banner</b>	No	No	No	Yes
EPSON STYLUS PRO	7500/9500	Pigment	See Printing Notes	No	No	No	Yes
EPSON STYLUS PRO	10000/10600	Archival Pigment	See Printing Notes	No	No	No	Yes
EPSON STYLUS PRO	7600/9600	ULTRACHROME Pigment	<b>Textured Fine Art Paper</b>	No	No	No	Yes
EPSON STYLUS PRO	7800/9800	ULTRACHROME K3 Pigment	<b>Canvas</b>	No	No	No	Yes

† For optimal durability, laminate soon after printing (within 4 hours).

‡ Lower ink coverages needed and/or use only for rigid display.

**Note:** KODAK Matte Canvas is not recommended for use with “lightfast” dye inks un laminated due to premature fading (which is caused by oxidation). If prints are laminated within 4 hours of printing to seal the image from exposure to air, the print lifetime can be extended depending on the type of overlamine. “Lightfast” inks include: ENCAD GX, ILFORD ARCHIVA, COLORSPAN ENDURACHROME, HEWLETT-PACKARD dyes, and KODAK LIGHTFAST PLUS inks.

## PRINTING NOTES

The print driver media settings recommended in the compatibility section are intended to provide usable results with available media profiles found in the printer manufacturer's provided drivers and RIPs. These recommendations will provide proper ink laydowns with no pooling or bleeding, and color which will be acceptable for many applications. It is suggested that tests be run using these recommendations and color corrections be made to meet user expectations.

In cases where no recommendation is made, choose the media setting closest to the KODAK Wide-Format Inkjet Media you are using. For example, if you are printing on KODAK Premium Photographic Glossy Paper / 180g, choose a setting in your driver or RIP which is intended for another glossy photo paper. This should give you a print which requires little or no adjustment to get usable results.

### RIPs and Profiles for ENCAD and Other Printers

For more exacting color, several third party RIPs (Raster Image Processors) are available with profiles supporting KODAK media for ENCAD, KODAK and other printers. For more information visit Kodak's website at [www.kodak.com/go/wfiprofiles](http://www.kodak.com/go/wfiprofiles)

Following is a list of RIPs for which ENCAD/KODAK printer support and Kodak-built media profiles are available:

ENCAD	<a href="http://www.encad.com/Support/RIP-Support/index.asp">www.encad.com/Support/RIP-Support/index.asp</a>
COLORGATE PHOTO RIP	<a href="http://www.colorgate.com/home_e/products_e.html">www.colorgate.com/home_e/products_e.html</a>
ONYX GRAPHICS	<a href="http://www.onyxgfx.com">www.onyxgfx.com</a>
SCANVEC AMIABLE	<a href="http://www.scanvecamiable.com">www.scanvecamiable.com</a>

In addition to the above list, the following software companies provide RIPs and profiles that support ENCAD/KODAK printers:

BEST GMBH	<a href="http://www.bestcolor.com/bcint/index.htm">www.bestcolor.com/bcint/index.htm</a>
AIT INTERNATIONAL	<a href="http://www.applied-image.com/Shiraz-RIP.htm">www.applied-image.com/Shiraz-RIP.htm</a>
IMAGE TECHNOLOGIES	<a href="http://www.imagetechdev.com">www.imagetechdev.com</a>
GLOBAL GRAPHICS	<a href="http://www.globalgraphics.com">www.globalgraphics.com</a>
COLORBURST SYSTEMS	<a href="http://www.compatsys.com">www.compatsys.com</a>
WASATCH COMPUTER TECHNOLOGY, INC.	<a href="http://www.wasatchinc.com">www.wasatchinc.com</a>
CADLINK TECHNOLOGY	<a href="http://www.cadlink.com">www.cadlink.com</a>
JET RIP	<a href="http://www.jangeun.co.kr">www.jangeun.co.kr</a>

## Custom Profiles

While the above printing recommendations and available profiles from Kodak will provide adequate results for many wide-format inkjet applications, there are applications, such as inkjet proofing, which demand more exacting color requirements. It is suggested that for these applications, custom profiles be built for given ink/media/printer combinations. Many color management and profile building software applications are available which allow the user to manage color to meet their needs. Also, many RIPs will provide color profiling options which allow the user to control the color of their output. Please contact your dealer or Kodak technical support for help determining the best solution for your application.

## HANDLING

Some printer cutting blades may not be able to trim this material, especially if the blade is used or dull. Advance the media several inches forward and cut manually to avoid any problems.

All inkjet media must be handled with care before and after printing to prevent damage to the ink receiving layer and printed images. Use the following guidelines, your experience, and common sense for the proper care of your media.

- Store unused media in its original packaging, using the core-plugs and plastic sleeves.
- Allow media to acclimate to your environmental conditions for at least 24 hours before use.
- KODAK inkjet media is rolled printable side out. Avoid touching the printable side by handling by the edges of the roll.
- Wear cotton gloves when handling media to avoid scratches, abrasions and fingerprints from moisture and oils on your hands.
- Do not allow the media to come into contact with moisture. Moisture will damage many types of inkjet medias before and after printing.
- Avoid handling, trimming, laminating or other finishing until prints are completely dry. Dry times will vary based on media type, ink type and environmental conditions.
- Do not fold, bend or crease media or damage may occur to the ink receiving layer.
- Do not allow the surface of the media to come into contact with itself or another inkjet media.
- Use media only in recommended operating conditions—see "Physical Characteristics" section.

## Curl

Most types of roll-based inkjet media will exhibit some amount of curl, either toward the base side or toward the print side. This will vary based on media type and environmental conditions. Some media will curl more in low humidity environments and others in high humidity environments. Also, media may curl more towards the core or end of the roll due to "roll memory."

Although curl is mainly an issue when printing, it can also have an impact on laminating and other finishing procedures. Follow these guidelines, and use your experience and common sense to avoid issues caused by curl.

### When printing:

- Advance media several inches past the print platen before starting a print job.
- Add weights or clips to the leading edge of the media.
- Attach media to the printer's take-up spool before starting printing.
- Adjust vacuum settings accordingly on printers equipped with variable media vacuum settings.
- Adjust heater and dryer settings on equipped printers to obtain optimum conditions to ensure flat media. See printer owners' manual for their recommendations.

### During finishing:

- Reverse wind media, when completely dry, to counteract roll memory.
- Do not allow media to remain rolled for extended periods of time.
- Rough cut prints and lay them flat before laminating.

## FINISHING

Detailed information and tips can be found in Kodak publication E-2600, *Laminating, Mounting, and Finishing KODAK Wide-Format Inkjet Media*.

This product is intended for applications where lamination is not required. However, immediate lamination or overcoat is required when using lightfast inks to protect it from premature oxidation fading.

For increased durability and resistance to dirt and abrasion, use a pressure-sensitive vinyl overlaminates. Laminating one side, however, can cause the media to curl toward the laminated side. Allow prints to dry before laminating.

Instead of conventional lamination, use a fast-drying spray over-laminate with UV blockers. Sprays come in aerosols and in larger containers suitable for spray gun/air compressor applications.

## DISPLAY

KODAK inkjet media is intended for display in typical home, office, and retail environments. Unusual conditions, such as extreme temperatures or humidity, may affect the expected lifetime of the displayed print. Kodak is unable to test all possible environments, so it is recommended to test display conditions when possible to be sure that the media meets the necessary requirements.

## PERFORMANCE GUARANTEE

### Indoor Applications (Fluorescent Display)

Kodak will guarantee prints from compatible systems against noticeable fading, cracking, yellowing, and bleeding when the print is viewed from its intended viewing distance.

The Indoor Performance Guarantee durations will vary based on the media/printer/ink system. The stated durations assume the media is displayed indoors under fluorescent light (average intensity 450-lux, 12 hours/day), and/or with indirect sunlight exposure (at least 6 feet from a window, with no direct sunlight). The guarantee covers both laminated or unlaminated prints as noted in the table below. The unlaminated guarantee assumes the media will be displayed in a typical office environment and will not be exposed to a high level of pollutants (above a typical ozone level for an office environment).

Terms, conditions and additional information about the Performance Guarantee can be found at [www.kodak.com/go/wideformat](http://www.kodak.com/go/wideformat).

Manufacturer	Model	Ink	Durability
KODAK PROFESSIONAL	3043/3062	6 Color Dye	3 months laminated
		6 Color Pigment	2 years
HEWLETT-PACKARD DESIGNJET	5000 Series	6 Color Dye	3 months laminated
		6 Color UV	2 years
	2xxx/3xxx	4 Color Dye	3 months laminated
		4 Color UV	2 years
ENCAD NOVAJET	800/700/600/500 Series	4/8 Color GS+	3 months
		4/8 Color GX	3 months laminated
		4/6/8 Color GO+	2 years
ENCAD NOVAJET / KODAK	1000i/ 1200i	6 Color Qi Dye	1 month unlaminated 5 years laminated
		6 Color Qi Pigment	2 years unlaminated 10 years laminated
EPSON STYLUS PRO	7600/9600/10000/10600	6 Color Photographic Dye	3 months laminated
	10000/10600	6 Color Archival Pigment	2 years
	7000/9000	6 Color Dye	3 months laminated
	9500	6 Color Pigment	2 years
	7600/9600/10600	7 Color ULTRACHROME Pigment	1 year
	7800/9800	8 Color ULTRACHROME K3 Pigment	1 year
CANON	7250D/7200D/8200D/8400D	6 Color Dye	3 months laminated
	6200Pg/8200Pg	6 Color Pigment	2 years
	6400Pg/8400Pg	6 Color Pigment	2 years

## Outdoor Applications

Outdoor exposure, including exposure to ultraviolet radiation, moisture, oxidation, and chemical pollutants all influence the final outdoor longevity of a graphic image. Kodak guarantees that the effects of those exposures will not affect the quality and suitability of the graphic image print, based on accepted industry test standards, for advertising purposes and other customary outdoor display uses. Specifically, Kodak guarantees prints from the systems below against excessive fading, peeling, cracking, yellowing, bleeding, and running for the periods stated below.

Terms, conditions and additional information about the Performance Guarantee can be found at [www.kodak.com/go/wideformat](http://www.kodak.com/go/wideformat).

Manufacturer	Model	Ink	Durability
KODAK PROFESSIONAL	3043/3062	6 Color Pigment	1 month
HEWLETT-PACKARD DESIGNJET	5000 Series	6 Color UV	1 month
	2xxx/3xxx	4 Color UV	1 month
ENCAD NOVAJET	800/700/600/500 Series	4 Color GO+	1 month
		6 Color GO+	1 month
		8 Color GO+	1 month
ENCAD NOVAJET / KODAK	1000i/ 1200i	4 Color Qi Pigment	1 month
		6 Color Qi Pigment	1 month
EPSON STYLUS PRO	10000/10600	6 Color Archival Pigment	2 weeks
	9500	6 Color Pigment	1 month
	7600/9600/10600	7 Color ULTRACHROME Pigment	2 weeks
	7800/9800	8 Color ULTRACHROME K3 Pigment	2 weeks
CANON	6200Pg/8200Pg	6 Color Pigment	1 month
	6400Pg/8400Pg	6 Color Pigment	1 month

## Additional Durability Information

The following table can be used as a guide for printers and inks not included in the Performance Guarantee.

### Durability Guidelines for Printers Not Included in Performance Guarantee

If Using	Expect Durability Similar To:
COLORSPAN EC Dye	ENCAD GX
COLORSPAN PC Pigment	ENCAD GO+
ROLAND Dye	EPSON 9000 Dye
ROLAND Pigment	EPSON 9500 Pigment
MUTOH Dye	EPSON 9000 Dye
MUTOH Pigment	EPSON 9500 Pigment

## ORDERING INFORMATION

### KODAK Matte Canvas / 19mil

Roll Length	Roll Width / Order No.				
	24 in. (61 cm)	36 in. (91.4 cm)	42 in. (106.7 cm)	50 in. (127 cm)	60 in. (152.4 cm)
40 ft (12.2 m)	NA	884 8376	181 8715	897 9593	NA
16.4 ft (5 m) (sample)	NA	895 5445	NA	NA	NA

NA = Not available

## PHYSICAL CHARACTERISTICS

Physical Characteristics	Value	Test Method Reference
Caliper	19 mil (483 $\mu$ m)	ISO 534
Opacity	>95	Tappi T 524
CIE Whiteness	82	Tappi T 524
Weight	340 g/sm	ISO 536
Brightness	88	Tappi T 524
60-degree Gloss	<10	ISO 7668
L*(D65/10 uvi/BBW)	96	Tappi T 524
Operating Conditions	59-86°F (15-30°C), 20-70% RH (non-condensing)	
Recommended Storage Conditions	68°F (20°C), 50% RH	

If you have questions or need assistance, visit Kodak's website at [www.kodak.com/go/wfisupport](http://www.kodak.com/go/wfisupport) or, in the U.S., contact Kodak Technical Support at 1-888-436-2347.

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**EASTMAN KODAK COMPANY • ROCHESTER, NY 14650**

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