

## KODAK Universal Glossy Poly Poster / 8mil

## KODAK Universal Self-Adhesive Poly Glossy Poster/ 7mil



### GENERAL DESCRIPTION

Poly Posters for durable, rich-color displays in high-traffic locations.

- Polypropylene (PP) with/without a permanent self-adhesive backing, with glossy finish
- Compatible with all leading pigment-based inks
- Easily mountable on most smooth surfaces
- Water resistant properties excellent for unlaminated outdoor banners and signs with pigment based inks

### COMPATIBILITY

When used with the following printers and inks, KODAK Universal Glossy Poly Poster / 8mil and KODAK Universal Self-Adhesive Glossy Poly Poster / 7mil are 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)
HEWLETT-PACKARD DESIGNJET	800/1050C/1055CM	Dye*	See Printing Notes	Yes	Yes	Yes	Yes
HEWLETT-PACKARD DESIGNJET	2000/2500/ 2800/3000/ 3500/3800	Dye*	See Printing Notes	Yes	Yes	Yes	Yes
HEWLETT-PACKARD DESIGNJET	5000/5500	Dye*	<b>Photo Imaging Satin</b>	Yes	Yes	Yes	Yes
HEWLETT-PACKARD DESIGNJET	2000/2500/ 2800/3000/ 3500/3800	UV	See Printing Notes	Yes	Yes	Yes	Yes
HEWLETT-PACKARD DESIGNJET	5000/5500	UV	<b>Photo Imaging Satin</b>	Yes	Yes	Yes	Yes
HEWLETT-PACKARD DESIGNJET	Z Series	VIVERA Pigments	<b>Photo Gloss</b>	Yes	Yes	Yes	Yes
ENCAD NOVAJET	ProE/500/600/ 700 Series	GS*, GS+*, GX*, GO	See Printing Notes	Yes	Yes	Yes	Yes
ENCAD NOVAJET	800 Series	GX Dye*	See Printing Notes	Yes	Yes	Yes	Yes
ENCAD NOVAJET/ KODAK	1000i/ 1200i	Qi Dye*	See Printing Notes; Printer Heater Setting: 2	Yes	Yes	Yes	Yes
ENCAD NOVAJET/ KODAK	1000i/ 1200i	Qi Pigment	See Printing Notes; Printer Heater Setting: 2	Yes	Yes	Yes	Yes

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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)
CANON	7250D/7200D/ 8200D/8400D	Dye*	Glossy Photo Paper	No	No	Yes	Yes
CANON	6200Pg/8200Pg/ 6400Pg/8400Pg	Pigment	Glossy Photo Paper	No	No	Yes	Yes
CANON	iPF9000/ iPF8000/ iPF5000	LUCIA Pigments	Glossy Photo Paper	Yes	Yes	Yes	Yes
EPSON STYLUS PRO	7500/9500	Pigment	Photo Glossy Paper	Yes	Yes	Yes	Yes
EPSON STYLUS PRO	7600/9600/ 10600	ULTRACHROME Pigment	Photo Glossy Paper	Yes	Yes	Yes	Yes
EPSON STYLUS PRO	7800/9800 7880/9880/11880	ULTRACHROME K3 Pigment	Premium Photo Glossy	Yes	Yes	Yes	Yes
EPSON STYLUS PRO	7900/9900	ULTRACHROME HDR Pigment	Premium Photo Glossy	Yes	Yes	Yes	Yes
EPSON STYLUS PRO	10000/10600	Archival Pigment	Photo Glossy Paper	Yes	Yes	Yes	Yes

\* For optimum durability, laminate soon after printing (within 4 hours).

## 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. This should give you a print which requires little or no adjustment to get good results.

### Profiles for KODAK Wide-Format Inkjet Media

ICC profiles are available for many KODAK Wide-Format Inkjet Media for use with the printers' driver in applications such as ADOBE Photoshop. For more information visit Kodak's website at: [www.kodak.com/go/wfiprofiles](http://www.kodak.com/go/wfiprofiles)

### 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.

### Pigment and Dye-Based Inks

While compatible with both dye- and pigment- based inks, Kodak Universal PolyPoster medias are only water-fast and provide long durability with pigments. Dye based ink should only be used with lamination and for indoor usage. Outdoor usage may be appropriate for short durations of less than a few days.

### Photo and Matte Black Inks

Matte Black inks, intended to be used with coated and fine art papers, are not compatible with this glossy media, never drying and easily smudged from the paper's surface. Check with your printer and ink manufacturer for complete details on the proper usage

of this type of ink.

## HANDLING

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*.

**Lamination**

Refer to "Laminate Compatibility" in the Compatibility section for specific printer/ink/laminate recommendations.

**Lamination Definitions**

<b>Heat Activated Thermal, 210-240°F (99-116°C)*</b>	Polyester laminates applied with hot roll laminators at 210-240°F.
<b>Heat Activated Low Temperature, 185-195°F (85-91°C)*</b>	Polyester laminates applied with hot roll laminators at 185-195°F.
<b>Heat Assisted, 185-195°F (85-91°C)</b>	Polyester or vinyl laminates with pressure sensitive adhesives; specially formulated for inkjet prints, and applied with hot roll laminators at 185-195°F.
<b>Pressure Sensitive, Ambient to 120°F (49°C)</b>	Polyester or vinyl laminates with pressure sensitive adhesives on a release liner, applied at ambient conditions or at low temperature, 100-120°F.

\* For both Heat Activated Thermal and Low Temperature, use a laminate with a total thickness (polyester and adhesive) of 3 mils or less on the face side. Thicker laminates may be applied to the back of the print for increased total thickness.

**Mounting**

Prints can be mounted, laminated or not, to a variety of materials, including poster board, foam board, SINTRA, LEXAN and more.

Self-adhesive products should be used only for applications where you intend to mount or adhere the print to a substrate. Use of these materials unmounted will cause wrinkles to appear in the liner and media. Prints should not be applied directly to textured, riveted, or corrugated surfaces. Hand rollers or squeegees will help you apply the graphic smoothly, without air bubbles, to fixed surfaces.

When mounting to a mount board for outdoor applications and for maximum durability indoors, the edges of mounted prints should be wrapped to the back of the mount material. This will ensure best protection from water and moisture, and from unpeeling. To wrap the edges, leave an excess amount of either the media or the pressure-sensitive laminate outside the image area, and adhere it to the sides and back of the mounting board.

If wrapping is not practical (e.g., when the print is to be mounted directly to an existing wall), consider using extra reinforcement around the edges of the print. This could include a clear tape, lacquer, clear caulk, or a wood or metal frame. This will offer the best protection against the natural peeling that may occur during the lifetime of the print, as well as protection from physical abrasion due to high traffic or vandalism.

**Removal**

The adhesive on this product is permanent, and the longer it is adhered to another surface, the harder removal will be. If a residue remains after the vinyl is removed, use soapy water and aggressive rubbing. Where high adhesion occurred (e.g., glass and stainless steel), you may need to use isopropyl or rubbing alcohol.

**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	
			Self-Adhesive	Non-Adhesive
HEWLETT-PACKARD DESIGNJET	5000 Series	6 Color Dye	2 years laminated	5 years laminated
		6 Color UV	2 years	15 years
	2000/3000 Series	4 Color Dye	2 years laminated	5 years laminated
		4 Color UV	2 years	15 years
	Z Series	VIVERA Pigments	2 years	15 years
ENCAD NOVAJET / KODAK	1000i / 1200i	Qi Dye	2 years laminated	5 years laminated
		6 Color Qi Pigment	2 years	10 years
EPSON STYLUS PRO	7600/9600/10600	7 Color ULTRACHROME Pigment	2 years	10 years
	7800/9800 7880/9880/11880	8 Color ULTRACHROME K3 Pigment	2 years	10 years
	7900/9900	9 Color ULTRACHROME HDR Pigment	2 years	10 years
CANON	6200Pg/8200Pg/6400Pg/8400Pg	6 Color Pigment	2 years	15 years
	iPF5000/iPF8000/iPF9000	12 Color LUCIA Pigments	2 years	15 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	
			Self-Adhesive	Non-Adhesive
HEWLETT-PACKARD DESIGNJET	2000/3000/5000 Series	4/6 Color UV	6 months 18 months laminated	6 months 18 months laminated
	Z Series	VIVERA Pigments	6 months 18 months laminated	6 months 18 months laminated
ENCAD NOVAJET/ KODAK	1000i / 1200i	6 Color Qi Pigment	5 months 1 year laminated	4 months 1 year laminated
EPSON STYLUS PRO	7600/9600/10600	7 Color ULTRACHROME Pigment	6 months 18 months laminated	6 months 18 months laminated
	7800/9800 7880/9880/11880	8 Color ULTRACHROME K3 Pigment	6 months 18 months laminated	6 months 18 months laminated
	7900/9900	9 Color ULTRACHROME HDR Pigment	6 months 18 months laminated	6 months 18 months laminated
CANON	6200Pg/8200Pg/6400Pg/8400Pg	6 Color Pigment	6 months 18 months laminated	6 months 18 months laminated
	iPF5000/iPF8000/iPF9000	12 Color LUCIA Pigments	6 months 18 months laminated	6 months 18 months laminated

## Additional Durability Information

Kodak has not tested the durability of all the printer/ink combinations which are listed in the compatibility chart located at the beginning of this information sheet. As a general guideline, follow the durability numbers given for dye based inks if you are using a printer with dyes, and the numbers given for pigment based inks when using a printer with pigments. The performance will not be identical but can be used as a starting point. Be sure to run your own tests for application where durability is critical.

## ORDERING INFORMATION

### KODAK Universal Glossy Poly Poster / 8mil

Roll Length	Roll Width / Order No.			
	36 in. (91.4 cm)	42 in. (106.7 cm)	50 in. (127 cm)	60 in. (152.4 cm)
100 ft (30.5 m)	084-00202A	084-00203A	084-00204A	084-00205A

### KODAK Universal Self-Adhesive Glossy Poly Poster / 7mil

Roll Length	Roll Width / Order No.			
	36 in. (91.4 cm)	42 in. (106.7 cm)	50 in. (127 cm)	60 in. (152.4 cm)
100 ft (30.5 m)	084-00214A	084-00215A	084-00216A	084-00217A

NA = Not available

## PHYSICAL CHARACTERISTICS

Physical Characteristics	KODAK Universal Glossy Poly Poster / 8mil	KODAK Universal Self-Adhesive Glossy Poly Poster / 7mil	Test Method Reference
Weight	155	190	ISO 536
Caliper	7.7 mil (195 µm)	7.3 mil (185 µm) including backing/adhesive; 4.5 mil (115 µm) without	ISO 534
Opacity (without liner)	>90		Tappi T 524
CIE Whiteness* (D65/10 uvi/ BBW)	>90		Tappi T 524
60-degree Gloss	>35		ISO 7668
L*(D65/10 uvi/BBW)	>96	>95	Tappi T 524
Adhesive Peel Strength (against glass)	N/A	>15 N/in	ASTM D1000
Brightness	NA		Tappi T 524
Flame Spread Classification	Class A	Class B	ASTM E84
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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