



TECHNICAL INFORMATION INSTRUCTION SHEET

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KODAK Canvas Banner

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 ink applications.

Compatibility

When used with the following printers and inks, KODAK Canvas Banner is recommended for all applications:

| Manufacturer | Model | Ink Compatibility | | Laminate Compatibility | | |
|---------------------------|----------------------|-------------------|--|---|---|---|
| | | Ink | Recommended Print Mode / Media Setting ^[a] | Heat-Activated | Heat-Assisted | Pressure Sensitive (cold) |
| KODAK PROFESSIONAL | DS1000 | Dye | <i>Best Print Mode, Semi-Gloss Photo Printer Setting</i> | No | No | Yes ^[b] |
| KODAK PROFESSIONAL | 2042/2060 | Dye, Pigment | 6-Pass, Bi-directional, Carriage Speed 5 | Dye: Yes Pigment: Yes ^[c] | Dye: Yes Pigment: Yes ^[c] | Dye: Yes Pigment: Yes ^[c] |
| KODAK PROFESSIONAL | 3038/3043/3062 | Dye, Pigment | 2 Pass, 720 DPI, Bi-directional, Microdot On | Yes | Yes | Yes |
| KODAK PROFESSIONAL | 4042/4060/4742 /4760 | Pigment | 6-Pass, Bi-directional, Carriage Speed 10 | No | No | No |
| KODAK PROFESSIONAL | 4860 | Pigment | 6-Pass, Bi-directional, Carriage Speed 10 | No | No | No |
| KODAK PROFESSIONAL | 5260 | Dye | Select corresponding Kodak media setting | No | No | Yes |
| HEWLETT-PACKARD DesignJet | 750C/755CM | Dye | <i>Best Print Mode, Semi-Gloss Photo Printer Setting</i> | No | No | Yes |
| HEWLETT-PACKARD DesignJet | 800 | Dye | <i>Best Print Mode, Heavy Coated Paper Printer Setting</i> | No | No | Yes |

| | | | | | | |
|-------------------------------|--|--------------------|--|------------|------------|--------------------|
| HEWLETT- PACKARD DesignJet | 1050C/1055CM | Dye | <i>Best Print Mode, Heavy Coated Paper Printer Setting</i> | No | No | Yes |
| HEWLETT- PACKARD DesignJet | 2000/2500/2800 /3000/ 3500/3800 CP | Dye, UV | Varware Mode, 8-Pass, Bi-directional | No | No | Dye: Yes UV: No |
| HEWLETT- PACKARD DesignJet | 5000 | Dye | Varware Mode, 8-Pass, Bi-directional | No | No | Yes |
| HEWLETT- PACKARD DesignJet | 5000 | UV | HW Coated Paper | Not tested | Not tested | Not tested |
| ENCAD NovaJet | PRO 36/50 | GA, GS, GX, GO | 4-Pass, Bi-directional, Carriage Speed 5 | No | No | Yes |
| ENCAD NovaJet | PROe | GA, GS, GX, GO | 6-Pass, Bi-directional, Carriage Speed 5 | No | No | Yes |
| ENCAD NovaJet | 500 | GA, GS, GX, GO | 6-Pass, Bi-directional, Carriage Speed 10 | No | No | Yes |
| ENCAD NovaJet | 600/700 series | GS, GS+, GX, GO | 6-Pass, Bi-directional, Carriage Speed 10 | No | No | Yes |
| ENCAD NovaJet | 850 | GS+, GX, GO | 4/8-Pass, Bi- directional, Carriage Speed 10 | No | No | Yes |
| COLORSPAN DisplayMaker | Hi-Res 8 | EC, PC | <i>Detail Canvas Printer Setting</i> | No | No | Yes |
| COLORSPAN DisplayMaker | Esprit/Series XII | EC, PC | 6 Passes, 600 DPI | No | No | Yes |
| MUTOH Falcon | RJ-4100, RJ- 6100 | Dye, Pigment | 2 Pass, 720 DPI, Bi- directional, Microdot On | No | No | Yes |
| ROLAND | Hi-Fi Jet FJ- 50/FJ-40, Hi-Fi Jet Pro FJ- 400/FJ-500/FJ- 600 | Dye, Pigment | 8 Pass, Bi-directional, 720 DPI | No | No | Yes |
| EPSON Stylus Pro | 7000/9000 | Dye | Best, 720 DPI, Bi- directional | No | No | Yes |

| | | | | | | |
|------------------|-----------|---------|---|----|----|-----|
| EPSON Stylus Pro | 10000 | Dye | Best, 720 DPI, Bi-directional, Heavyweight Polyester Banner | No | No | Yes |
| EPSON Stylus Pro | 7500/9500 | Pigment | Best, 720 DPI, Bi-directional | No | No | Yes |
| EPSON Stylus Pro | 10000 | Pigment | Best, 720 DPI, Bi-directional, Canvas | No | No | Yes |

[a] 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.

[b] Laminates with vinyl film type work best.

[c] Lower ink coverages needed and/or use only for rigid display.

For compatibility information for all Kodak Inkjet Media, refer to Inkjet Media Compatibility Chart.

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.

Finishing

Please refer to lamination chart in compatibility sections above for specific printer/ink/laminate recommendations.

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 application and are available from art and photographic supply stores.

Stretching and framing is not recommended for this product, since the image may crack.

This material can be sewn to create pockets for rope or hanging rods and for hemming. Be sure to sew image side up, so that only the back of the material comes into contact with the sewing machine foot, which can damage the surface of the media. Colored threads can be used to match image content or a clear, high-strength nylon thread can be used as an all-purpose material. High tack banner tape can also be used for pockets and hems, and may be preferable if the sewing process damages the banner. Try to use rolled or low-pressure folds when creating pockets and hems as heavy creasing can crack and flake the inkjet coating.

Grommets can be installed through single hems, or in corners where hems overlap and four layers of material are present. Use banner tape for extra reinforcement where grommets are placed if hems or pockets are not used.

Durability

Indoor Applications

When displayed unlaminated (except where noted) under average indoor illumination (450-lux fluorescent), the following print lifetimes should be expected. Durability is based primarily on image stability. Actual lifetimes may be shorter, depending on robustness of base material. Excessive handling, environmental conditions, and wear and tear will all impact usable lifetime.

| Manufacturer | Model | Ink | Durability |
|---------------------------|--|----------------------|---|
| KODAK PROFESSIONAL | DS1000 | Dye | 3 months |
| KODAK PROFESSIONAL | 2042/2060 | Dye Pigment | 3 months >5 to 8 years |
| KODAK PROFESSIONAL | 3038/3043/3062 | 6C Dye 6C Pigment | 3 months >2 years |
| KODAK PROFESSIONAL | 4042/4060/4742/4760/4860 | Pigment | 5 to 8 years |
| KODAK PROFESSIONAL | 5260 | Dye | Unlaminated: >3 months ^[a] Laminated: 3 to 5 years |
| HEWLETT-PACKARD DesignJet | 750C/755CM | Dye | 3 months |
| HEWLETT-PACKARD DesignJet | 800/1050C/1055CM | Dye | 1 to 3 months |
| HEWLETT-PACKARD DesignJet | 2000, 2500, 3000, 3500, 2800, 3800 CP | Dye UV | 3 months >15 years |
| HEWLETT-PACKARD DesignJet | 5000 | Dye UV | 3 months >15 years |
| ENCAD NovaJet | PRO 36/50, PROe, 500 | GA | 1 to 2 months |
| ENCAD NovaJet | PRO 36/50, PROe, 500, 600/700 series | GS | 3 months |
| ENCAD NovaJet | 600/700/850 series | GS+ | 3 months |
| ENCAD NovaJet | PRO 36/50, PROe, 500, 600/700/850 series | GX | 3 months |
| ENCAD NovaJet | PRO 36/50, PROe, 500, 600/700/850 series | GO | >2 years |

| | | | |
|------------------------|---|----------------------|----------------------|
| COLORSPAN DisplayMaker | Hi-Res 8/Esprit/Series XII | EC (4C) | 3 months |
| COLORSPAN DisplayMaker | Hi-Res 8/Esprit/Series XII | PC (4C) | >2 years |
| MUTOH Falcon | RJ-4100 RJ-6100 | 6C Dye 6C Pigment | 3 months >2 years |
| ROLAND | Hi-Fi Jet FJ-50/FJ-40, Hi-Fi Jet Pro FJ-400/FJ-500/FJ-600 | Dye Pigment | 3 months >2 years |
| EPSON Stylus Pro | 7000/9000 | Dye | 3 months |
| EPSON Stylus Pro | 10000 | Dye | 3 months |
| EPSON Stylus Pro | 7500/9500 | Pigment | >2 years |
| EPSON Stylus Pro | 10000 | Pigment | >2 years |

[a] Longevity of unlaminated material may be improved by using ENCAD Easy Print 5000 Software profiles with process black.

Outdoor Applications (waterfast with pigmented inks)

When displayed unlaminated under average outdoor conditions (25,000 lux sunshine and ASTM G-26A weathering), the following print lifetimes should be expected. Figures are based on image stability and base durability. Images made with pigmented inks may last longer than indicated, however, the durability statement takes into account the robustness of the base material. Excessive handling, environmental conditions, and wear and tear will all impact usable lifetime.

| Manufacturer | Model | Ink | Durability |
|---------------------------|---|------------|---------------|
| KODAK PROFESSIONAL | 2042/2060 | Pigment | 1 to 3 months |
| KODAK PROFESSIONAL | 3038/3043/3062 | 6C Pigment | 1 to 3 months |
| KODAK PROFESSIONAL | 4042/4060/4742/4760/4860 | Pigment | 1 to 3 months |
| HEWLETT-PACKARD DesignJet | 2000/2500/2800/3000/3500/3800 CP | UV | 1 to 3 months |
| HEWLETT-PACKARD DesignJet | 5000 | UV | 1 to 3 months |
| ENCAD NovaJet | PRO 36/50, PROe, 500, 600/700 series, 850 | GO | 1 to 3 months |
| COLORSPAN DisplayMaker | Hi-Res 8/Esprit/Series XII | PC | 1 to 3 months |
| MUTOH Falcon | RJ-4100, RJ-6100 | 6C Pigment | 1 to 3 months |
| ROLAND | Hi-Fi Jet FJ-50/FJ-40, Hi-Fi Jet Pro FJ-400/FJ-500/FJ-600 | Pigment | 1 to 3 months |
| EPSON Stylus Pro | 7500/9500 | Pigment | 1 to 3 months |
| EPSON Stylus Pro | 10000 | Pigment | 1 to 3 months |

Ordering Information
KODAK Canvas Banner

| Roll Length | Roll Width / CAT No. | | | | | |
|------------------------------|----------------------|---------------------|----------------------|--------------------|----------------------|----------------------|
| | 24 in. (71 cm) | 36 in. (91.4 cm) | 42 in. (106.7 cm) | 50 in. (127 cm) | 54 in. (137.2 cm) | 60 in. (152.4 cm) |
| 40 ft (12.2 m) | NA | 884 8376 | 181 8715 | 897 9593 | 839 3290 | NA |
| 16.4 ft (5 m) (sample) | NA | 895 5445 | NA | NA | NA | NA |

NA = Not available

Physical Characteristics

| Physical Characteristics | Value | Test Method Reference |
|--------------------------------|---|-----------------------|
| Caliper | 19 mil (483 μ 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 <http://www.kodakmedia.com> or contact your local Encad representative.

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Instruction Sheet—8

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