



Print and Lamination Guidelines

Prior to print operations select the appropriate dryer heat setting based on ink and media type loaded, refer to tables 1 and 2 (*please note these are general guidelines only*). For lamination guidelines please refer to tables 3 and 4. Adhere to optimum environmental conditions including the proper humidity and temperature ranges. Ensure media is loaded correctly and paper/edge guides are properly installed and positioned.

A. Dryer Heat Settings

12 dryer modes are available; refer to tables 1 and 2 for suggested dryer heat setting. To adjust printer's heat setting at control panel select **Setup Menu – Dryer Menu - Dryer Setting**. Select Next or Prev to desired setting and press Ok.

- 0 = OFF
- 1 = Fans Only
- 2 = Minimum, Fans On
- 3 = Minimum
- 4 = Heat Low, Fans On
- 5 = Heat Low
- 6 = Heat Medium, Fans On
- 7 = Heat Medium
- 8 = Heat High, Fans On
- 9 = Heat High
- 10 = Maximum, Fans On
- 11 = Maximum

NOTE: Air plenum should always be in the up position for print operations. The air plenum may be lowered to the maintenance position by removing 2 locking pins and gently lowering.



B. Humidity & Temperature Controls

Ideal humidity for printing is between 45 and 55 percent Rh, at a temperature of 68-72 degree F. (20-22.2 degrees C.). It is suggested to install humidifiers in low humidity environments (dry/cold; <30% Rh) to add water to the air to help prevent media edge curl. Install dehumidifiers in high humidity environments (hot/wet; >70% Rh) to help remove water from the air to prevent media mottling (warping) and stabilize overall color output.



KODAK 1200i TECHNICAL BULLETIN 4

Table 1: Dryer Setup Reference

Tip: Click here for the most up-to-date information: <http://www.encad.com/Printers/>

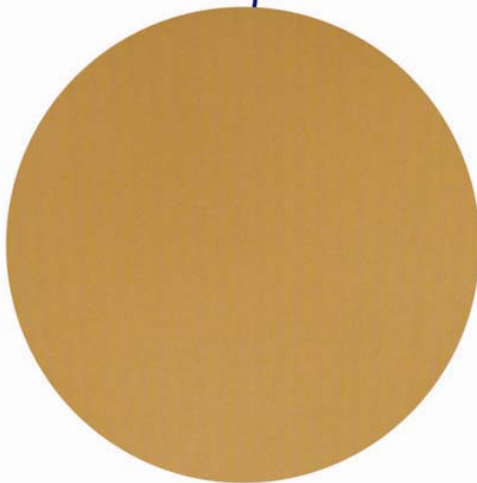
Qi Dye		
	Recommended Printer Heater Setting (1)	Recommended Print Mode*
Photographic Papers		
Kodak Premium Rapid-Dry Photographic Glossy / 260g (9 mil)	2	Production (3 Bi 10)
Kodak Premium Rapid-Dry Photographic Lustre / 260g (9 mil)	2	Production (3 Bi 10)
Kodak Rapid-Dry Photographic Glossy Paper / 190g (7 mil)	2	Production (3 Bi 10)
Kodak Rapid-Dry Photographic Satin Paper / 190g (7 mil)	2	Production (3 Bi 10)
Kodak Premium Photographic Glossy Paper / 270g (10 mil)	4	Production (3 Bi 10)
Kodak Premium Photographic Glossy Paper / 180g (8 mil)	4	Production (3 Bi 10)
Kodak Premium Photographic Satin Paper / 180g (8 mil)	6	Production (3 Bi 10)
Kodak Premium Photographic Matte Paper / 180g (8 mil)	4	Production (3 Bi 10)
Kodak Production Photographic Glossy Paper / 170g (7 mil)	10	Production (3 Bi 10)
Kodak Production Photographic Satin Paper / 170g (7 mil)	10	Production (3 Bi 10)
Photographic Films		
Kodak Premium Backlit Film / 7 mil	10 (No Fans)	Production (3 Bi 10)
Kodak Universal Backlit Film / 8 mil	2	Production (3 Bi 10)
Kodak Production Backlit Film / 7 mil	Fans Only	Enhanced (6 Bi 10)
Kodak Production Reverse Print Backlit Film / 5 mil	4	Enhanced (6 Bi 10)
Kodak Premium White Film / 5 mil	6	Production (3 Bi 10)
Kodak Production Glossy Poly Poster Plus / 8 mil	10	Production (3 Bi 10)
Kodak Production Satin Poly Poster Plus / 8 mil	10	Production (3 Bi 10)
Kodak Production Self-Adhesive Glossy Poly Poster Plus / 6 mil	10	Production (3 Bi 10)
Kodak Production Self-Adhesive Satin Poly Poster Plus / 6 mil	10	Production (3 Bi 10)
Kodak Self-Adhesive Glossy Poly Poster / 120g	10	Production (3 Bi 10)
Kodak Self-Adhesive Matte Poly Poster / 120g	10	Production (3 Bi 10)
Coated Papers		
Kodak Coated Matte Print Paper / 140g (6 mil)	(1) Fans Only	Fine (4 Bi 10)
Kodak Coated Matte Print Paper / 90g (4 mil)	(1) Fans Only	Fine (4 Bi 10)
Kodak Self-Adhesive Coated Matte Print Paper / 100g (7 mil)	(1) Fans Only	Production (3 Bi 10)
Vinyl & Banners		
Kodak Water-Resistant Removable Vinyl / 6 mil	2	User Defined (8 Bi 10)
Kodak GO Water-Resistant Self-Adhesive Vinyl / 6 mil	2	Enhanced (6 Bi 10)
Kodak Water-Resistant Scrim Banner / 17 mil	6	Enhanced (6 Bi 10)
Kodak Water-Resistant Poly Poster Matte / 8 mil	2	User Defined (8 Bi 10)
Kodak Water-Resistant Self-Adhesive Poly Poster Matte / 9 mil	2	User Defined (8 Bi 10)
Kodak Production Removable Glossy Vinyl / 6 mil	10	Production (3 Bi 10)
Kodak Production Removable Satin Vinyl / 6 mil	10	Production (3 Bi 10)
Canvas		
Kodak Artists' Semigloss Canvas / 20 mil	(1) Fans Only	Production (3 Bi 10)
Kodak Matte Canvas / 19 mil	(1) Fans Only	Production (3 Bi 10)

(1): Based on room conditions of 23C/50% RH. *: Recommended mode for photo image quality 3 Bi 10 = 3 pass, bidirectional, 10 speed 4 Bi 10 = 4 pass, bidirectional, 10 speed 6 Bi 10 = 6 pass, bidirectional, 10 speed 8 Bi 10 = 8 pass, bidirectional, 10 speed

Table 2: Dryer Setup Reference

<i>Qi Pigment</i>	Recommended Printer Heater Setting (1)	Recommended Print Mode*
<i>Photographic Papers</i>		
Kodak Premium Rapid-Dry Photographic Glossy / 260g (9 mil)	2	Fine (4 Bi 10)
Kodak Premium Rapid-Dry Photographic Lustre / 260g (9 mil)	2	Fine (4 Bi 10)
Kodak Rapid-Dry Photographic Glossy Paper / 190g (8 mil)	2	Fine (4 Bi 10)
Kodak Rapid-Dry Photographic Satin Paper / 190g (8 mil)	2	Fine (4 Bi 10)
<i>Photographic Films</i>		
Kodak Universal Backlit Film / 8 mil	2	Production (3 Bi 10)
<i>Coated Papers</i>		
Kodak Coated Matte Print Paper / 140g (6 mil)	Fans Only	Enhanced (6 Bi 10)
Kodak Self-Adhesive Coated Matte Print Paper / 100g (7 mil)	Fans Only	Fine (4 Bi 10)
<i>Vinyl & Banners</i>		
Kodak Water-Resistant Removable Vinyl / 6 mil	2	User Defined (8 Bi 10)
Kodak GO Water-Resistant Self-Adhesive Vinyl / 6 mil	2	Enhanced (6 Bi 10)
Kodak Water-Resistant Scrim Banner / 17 mil	6	Enhanced (6 Bi 10)
Kodak Water-Resistant Poly Poster Matte / 8 mil	2	Enhanced (6 Bi 10)
Kodak Water-Resistant Self-Adhesive Poly Poster Matte / 9 mil	2	Enhanced (6 Bi 10)
<i>Canvas</i>		
Kodak Artists' Semigloss Canvas / 20 mil	2	Production (3 Bi 10)
Kodak Matte Canvas / 19 mil	Fans Only	Fine (4 Bi 10)

(1): Based on room conditions of 23C/50% RH. *: Recommended mode for photo image quality 3 Bi 10 = 3 pass, bidirectional, 10 speed 4 Bi 10 = 4 pass, bidirectional, 10 speed 6 Bi 10 = 6 pass, bidirectional, 10 speed 8 Bi 10 = 8 pass, bidirectional, 10 speed



NOTE: If dryer temperature is too high on certain backlit media vertical banding (vertical swath patterns) may be observed in printed output – refer to picture at left. Lower the dryer temperature if this occurs.

Media ‘warping’ may also occur on certain types of media leading to carriage head strikes – refer to picture below.



Table 3: Lamination Reference

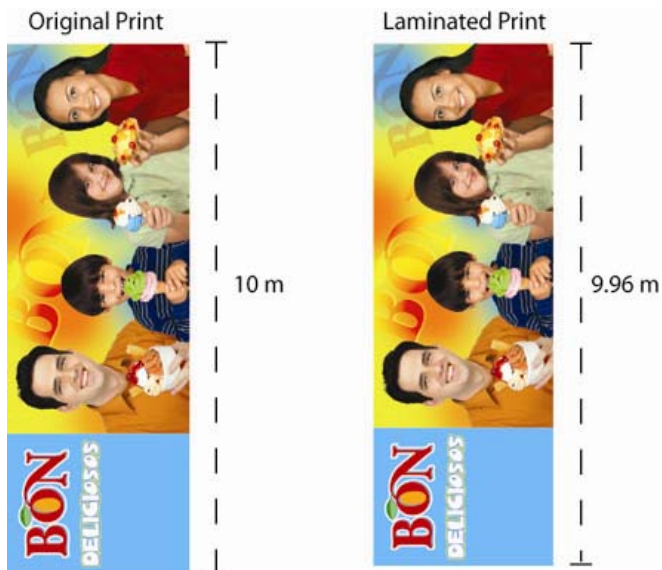
<i>Qi Dye</i>	Lamination Compatibility#			
	Heat Activated Thermal	Heat Activated Low Temperature	Heat Assisted	Pressure Sensitive Ambient
<i>Photographic Papers</i>				
Kodak Premium Rapid-Dry Photographic Glossy / 260g	Yes	Yes	Yes	Yes
Kodak Premium Rapid-Dry Photographic Lustre / 260g	Yes	Yes	Yes	Yes
Kodak Rapid-Dry Photographic Glossy Paper / 190g	Yes	Yes	Yes	Yes
Kodak Rapid-Dry Photographic Satin Paper / 1900g	Yes	Yes	Yes	Yes
Kodak Premium Photographic Glossy Paper / 270g	Yes	Yes	Yes	Yes
Kodak Premium Photographic Glossy Paper / 180g	Yes	Yes	Yes	Yes
Kodak Premium Photographic Satin Paper / 180g	Yes	Yes	Yes	Yes
Kodak Premium Photographic Matte Paper / 180g	Yes	Yes	Yes	Yes
Kodak Economy Photographic Glossy Paper / 160g	No	No	No	Yes
Kodak Economy Photographic Satin Paper / 160g	No	No	No	Yes
<i>Photographic Films</i>				
Kodak Premium Backlit Film / 7 mil	Yes	Yes	Yes	Yes
Kodak Premium White Film / 5 mil	Yes	Yes	Yes	Yes
Kodak Poly Poster Glossy Plus / 8 mil	No	No	No	Yes
Kodak Poly Poster Satin Plus / 8 mil	No	No	No	Yes
Kodak Reverse Print Backlit Film / 6 mil	Yes	No	No	Yes
Kodak Self-Adhesive Glossy Poly Poster / 6 mil	No	No	No	Yes
Kodak Self-Adhesive Matte Poly Poster / 6 mil	No	No	No	Yes
<i>Coated Papers</i>				
Kodak Coated Matte Print Paper / 140g	No	No	Yes	Yes
Kodak Coated Matte Print Paper / 90g	No	No	Yes	Yes
Kodak Self-Adhesive Coated Matte Print Paper / 100g	No	Yes	Yes	Yes
<i>Vinyl & Banners</i>				
KODAK Water-Resistant Removable Vinyl / 6 mil	No	Yes	Yes	Yes
Kodak GO Water-Resistant Self-Adhesive Vinyl / 6 mil	No	Yes	Yes	Yes
KODAK Water-Resistant Scrim Banner / 17 mil	No	No	No	Yes
Kodak Water-Resistant Reinforced Flex Banner / 15 mil	Yes	Yes	Yes	Yes
Kodak Water-Resistant Poly Poster Matte / 8 mil	Yes	Yes	Yes	Yes
Kodak Water-Resistant Self-Adhesive Poly Poster Matte / 9 mil	Yes	Yes	Yes	Yes
<i>Canvas</i>				
Kodak Artists' Semigloss Canvas / 20 mil	NA	NA	NA	NA
Kodak Matte Canvas / 19 mil	No	No	No	Yes

NA = Not Applicable #: Check with laminate manufacturer for suitability of outdoor use *: Recommended mode for photo image quality

Table 4: Lamination Reference

<i>Qi Pigment</i>	Lamination Compatibility#			
	Heat Activated Thermal	Heat Activated Low Temperature	Heat Assisted	Pressure Sensitive Ambient
<i>Photographic Papers</i>				
Kodak Premium Rapid-Dry Photographic Glossy / 260g	Yes	Yes	Yes	Yes
Kodak Premium Rapid-Dry Photographic Lustre / 260g	Yes	Yes	Yes	Yes
Kodak Rapid-Dry Photographic Glossy Paper / 190g	Yes	Yes	Yes	Yes
Kodak Rapid-Dry Photographic Satin Paper / 190g	Yes	Yes	Yes	Yes
<i>Photographic Films</i>				
Kodak Reverse Print Backlit Film / 6 mil	Yes	No	Yes	Yes
<i>Coated Papers</i>				
Kodak Coated Matte Print Paper / 140g	No	No	Yes	Yes
Kodak Self-Adhesive Coated Matte Print Paper / 100g	No	No	Yes	Yes
<i>Vinyl & Banners</i>				
KODAK Water-Resistant Removable Vinyl / 6 mil	No	Yes	Yes	Yes
Kodak GO Water-Resistant Self-Adhesive Vinyl / 6 mil	No	Yes	Yes	Yes
KODAK Water-Resistant Scrim Banner / 17 mil	No	No	No	Yes
Kodak Water-Resistant Reinforced Flex Banner / 15 mil	Yes	Yes	Yes	Yes
Kodak Water-Resistant Poly Poster Matte / 8mil	Yes	Yes	Yes	Yes
Kodak Water-Resistant Self-Adhesive Poly Poster Matte / 9 mil	Yes	Yes	Yes	Yes
<i>Canvas</i>				
Kodak Artists' Semigloss Canvas / 20 mil	NA	NA	NA	NA
Kodak Matte Canvas / 19 mil	No	No	No	Yes

NA = Not Applicable #: Check with laminate manufacturer for suitability of outdoor use *: Recommended mode for photo image quality.



NOTE: Finished image length may change following hot lamination operations requiring advanced RIP calculations to anticipate and compensate for the amount of media contraction. This problem has been reported on certain brands of non-Kodak media (i.e. bond) that is hot-laminated.

