

# ILFORD ILFOFLEX™ DIGITAL

## RA-4 PROFESSIONAL SUPER GLOSSY PAPER FOR DIGITAL AND ANALOG COLOR PRINTING

ILFOFLEX DIGITAL will be available in standard roll sizes and will replace the current ILFOFLEX 2000. The product code will have an "X" in front (XILD.1K) during the introduction period.

### FEATURES

ILFORD ILFOFLEX DIGITAL is a professional high speed color material specially designed for optimum performance in all digital enlargement devices available. ILFOFLEX DIGITAL features a white-pigmented 7 mil polyester base (Melinex by DuPont) which guarantees exceptional dimensional stability and an extremely high gloss surface.

ILFOFLEX DIGITAL features excellent dye stability, suitable for all commercial applications where photographic output is a must. The high color saturation, deep blacks and brilliant whites provide for excellent color and tone reproduction and optimum gradation from the brightest highlights to the deepest shadows, meeting all commercial requirements. ILFOFLEX DIGITAL is not subject to bleeding and delivers razor-sharp images, text and graphs.

### PRODUCT RANGE

ILFOFLEX DIGITAL is available in selected roll sizes.

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ILD.1K

DeLuxe print media

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### SAFELIGHT

ILFOFLEX DIGITAL should be handled in total darkness, which includes avoiding miscellaneous sources such as stray light from enlarging heads and LEDs. ILFOFLEX DIGITAL is very sensitive to light.

### STORAGE OF UNEXPOSED MATERIAL

ILFOFLEX DIGITAL should be stored in a cool, dry place, below +10°C (+50°F) and 65% RH (e.g. in a refrigerator) as high temperatures and humidity can damage color media. To avoid surface condensation the unexposed media must be left to reach room temperature before being used, but should not be heated to accelerate this process. The ideal method is to leave the unopened packs to adapt to room temperature overnight.

### SENSITOMETRY

ILFOFLEX DIGITAL features improved sensitometric characteristics, namely:

- Improved latent image stability (from 10 minutes to 24 hours)
  - Excellent Dmin and Dmax
  - Designed for very short exposure times
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**DIGITAL EXPOSURE** ILFOfLEX DIGITAL can be exposed with all existing large format digital enlargers, like the Durst Lambda and the OCE 430/500XL Series as well as in all types of digital minilabs or maxilabs (Durst Theta) without any compromise on print quality.  
The exposure compensation factors are available from ILFORD Technical Support.

**ANALOG OPTICAL EXPOSURE** ILFOfLEX DIGITAL can be exposed with all analog enlargers and printers. ILFOfLEX DIGITAL is designed for the short exposure times used with digital printing units. It is suitable for some analog applications, but will not print at the same speed or color balance as papers designed for optical exposure.

**HANDLING OF EXPOSED MATERIAL** The time between exposure and development should be constant for purposes of maximum uniformity. Avoid holding exposed material over for processing the next day. If it cannot be processed after exposure, it should be stored in a cool dry place and processed at the first opportunity.

**PROCESSING** ILFOfLEX DIGITAL can be processed in any processor using RA-4 or compatible chemistry, providing the development stage of the processor can be set to 45 seconds duration. The standard RA-4 process control strips and monitoring manual are also valid. Replenishment rates can vary depending on the manufacturer of the chemicals used; the supplier's recommendations should be followed as a general guideline.

	Time	Temperature	Replenishment Rates *
DEVELOPER	45"	35±0.3°C (95±0.5°F)	250 ml/m <sup>2</sup>
BLEACH - FIX	45"	30–36°C (86–97°F)	220 ml/m <sup>2</sup>
WASH **	90"	30–40°C (86–104°F)	6'000–11'000 ml/m <sup>2</sup>
DRY	As needed	max. 90°C (194°F)	

\* Starting values valid for RT type chemistry (for Roller Transport processors)

\*\* Two tank cascade

Wash water flow rates vary depending on the number of wash tanks and the volume of media processed; using a two tank countercurrent wash cascade, 6'000ml/m<sup>2</sup> are necessary. The amount of water must be increased to 11'000ml/m<sup>2</sup> when using two single tanks.

**LIGHT STABILITY**

The graph is based on data from independent tests performed at the Image Permanence Institute at Rochester Institute of Technology.

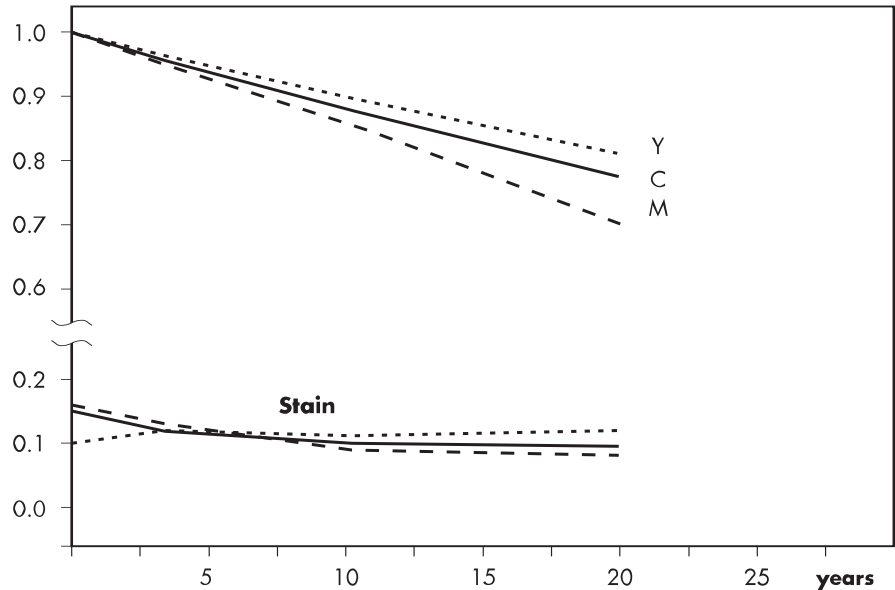
**FADING • UNPROTECTED MEDIA**

**Average light exposure**  
450 Lux, 12 hours/day

**Test conditions**  
25–35°C (77–95°F), 40–60% RH

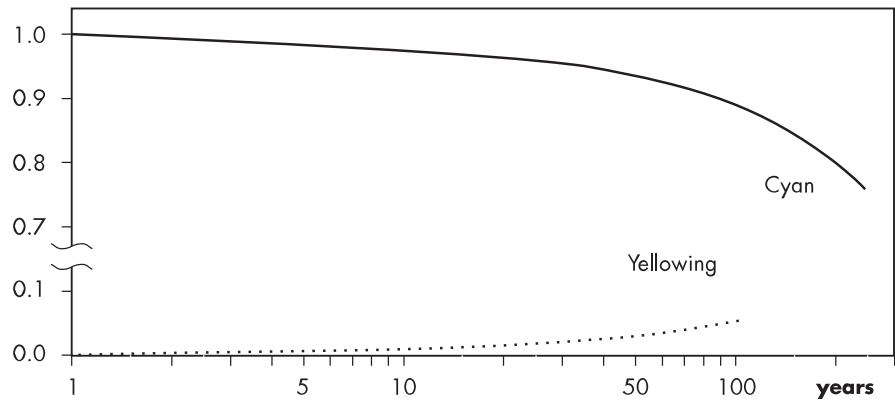
**Fading criteria**  
For illustrative purposes, unacceptable fading is defined by ILFORD according to American National Standards recommendations as an equal density loss of all three colors (yellow, magenta, cyan) of 30% measured from an original density of 1.0. However, the deviation will vary depending on scene content, and the conditions under which the printed image is viewed. This definition should be taken into account when comparing similar products from other manufacturers.

Density



**DARK STABILITY**

Density



**Melindex®**

Only by DuPont Teijin Films

ILFOfLEX DIGITAL DeLuxe media is coated on Melindex® polyester film by DuPont Teijin Films.

**NOTES**

The curves and data given in this publication represent products tested under definite conditions. They do not represent standards or specifications. They can vary when using different processes or conditions.

ILFORD reserves the right to modify product characteristics at any time.

ILFOfLEX is a trademark of ILFORD Imaging.