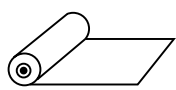
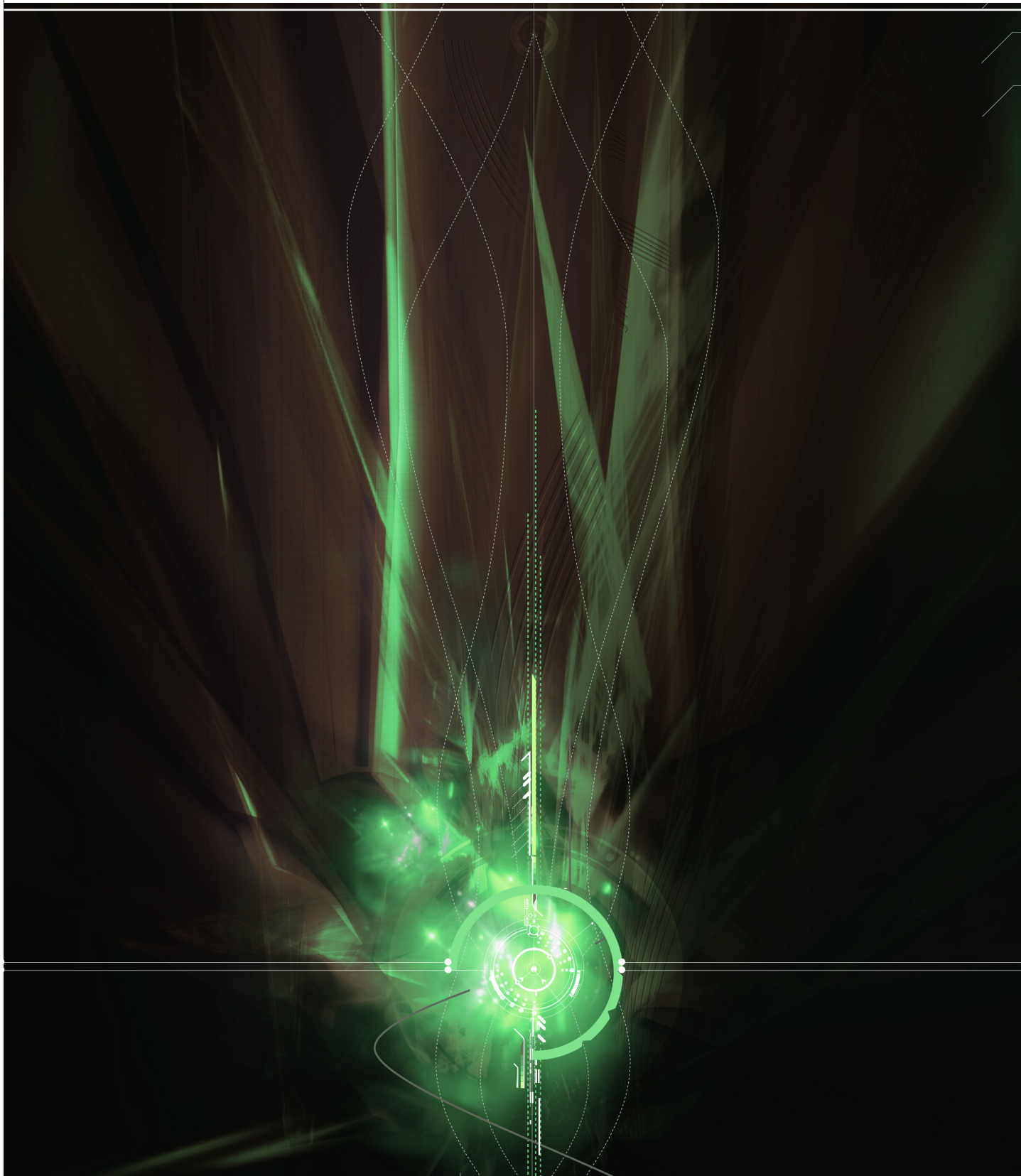
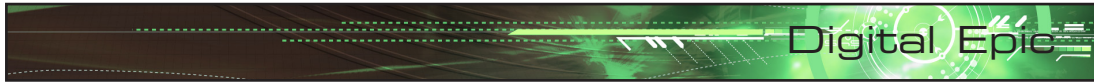


Flex·Light[®]








digital
Digital Epic





Segments

Segments Products					
	Corrugated	Flexible packaging	Tags & Labels	Folding carton	Sacks, Paper, Multiwall
Uncapped					
Atlas II R		•	•	•	•
UPG		•	•	•	•
Encore		•	•	•	•
Capped					
Epic		•	•	•	•
Epic QI		•	•	•	•
Digital					
CBU		•	•	•	•
CBX		•	•	•	•
Digital Epic		•	•	•	•
Corrugated					
Flexcor	•				•
BAC	•				•
Epicor	•				•
Liquid					
Prism	•				•
Focus	•				•
50 HI	•			•	•
LTL	•				
Waterwash			•		

Storage / Handling

Flexlight plates should be stored flat in a cool and dry place at 10-30°C and a relative humidity of approximately 60%. Opened boxes of Flexlight plates should be stored only in a safelight area and plates must be protected from UV light.

Distributed by



Unmatched sophistication in digital quality

As firm believers that the future is digital, MacDermid Printing Solutions offer you a range that brings you the best of digital in flexography printing.

For high quality graphics, and demanding reproduction, the sharpness of digital plates is what you need.

With unmatched capabilities, our products give you the highest level of quality you can attain. Whether you look for extended tonal ranges, richer contrasts, or achieving the finest details, our plates will meet the challenge, taking you to litho or gravure quality levels.



Benefits for platemaking

- Digital Epic wide exposure latitude prevents problems caused by overexposure. Masking is eliminated since a single exposure holds fine isolated highlight dot and preserves deep, open shadow dots.
- Fast ablation mask.
- Excellent reproducibility of all graphics.
- Image contrast allows for fast, accurate mounting. Processed plate inspection is easy with Digital Epic green contrasting image.

Benefits for printing

- Excellent ink transfer. Higher density and smoother solid areas; no pinholes.
- Easy combination of reverses, fine highlights and deep open shadow dots.
- For line work, Digital Epic unique matte surface prints smooth, dense solids and razor sharp details.
- For process color, Digital Epic halftones print clean and open from the finest highlight to the darkest shadow.
- Clean printing; fewer stops for plate clean-up.
- Reduces mottle.
- Extremely low dot gain.



Thanks to its capped layer, Digital Epic provides picture-perfect vignettes, unmatched tone reproduction, and holds the finest details. With halftone curves close to 1:1 reproduction, you have virtually no dot gain. The highest quality you can expect in flexography printing.

digital

Digital Epic

Plate making

> Plate processing

Processing equipment designed for use with Flex-Light SOLVIT® or a 75% perchlorethylene / 25% normal butyl alcohol solution is recommended. For best results, Digital Epic should be processed with high intensity UV lamps (18-20 mw/cm²).

> Reproduction capabilities

Image halftones : 1 to 98% at 60 lines/cm (150 lines/in.)
Isolated dots : 0,076 mm (0,003 in.) diameter.
Fine lines : 0,05 mm (0,002 in.) width.

> Processing data

Processing times for any particular job are determined by equipment, copy requirements and plate thickness.

Recommended times	1.14 mm	1.70 mm	2.54 mm	2.84 mm
Back exposure	45"	20"	63"	95"
Main exposure	11'	11'	11'	11'
Washing	5'	6'	6'	6'
Drying (60°C)	60'	60'	90'	90'
Finishing	10'	10'	10'	10'
Post exposure	10'	10'	10'	10'

Printers

> Ink/solvent compatibility

Flex-Light Digital Epic photopolymer is compatible with UV-, alcohol-, and glycol-based inks. Digital Epic is not recommended for oil-based inks or hydrocarbon solvents.

Product availability

> Thickness

1.14 / 1.70 / 2.54 / 2.84 mm
0.045 / 0.067 / 0.100 / 0.112 inch

Contact your Flexlight sales representative for size and other thickness availability.

> Hardness/thickness

mm/inch	ShoreA
1.14 / 0.045	75
1.70 / 0.067	61
2.54 / 0.100	56
2.84 / 0.112	54

Flex·Light®