




LUX ITP™ EDGE

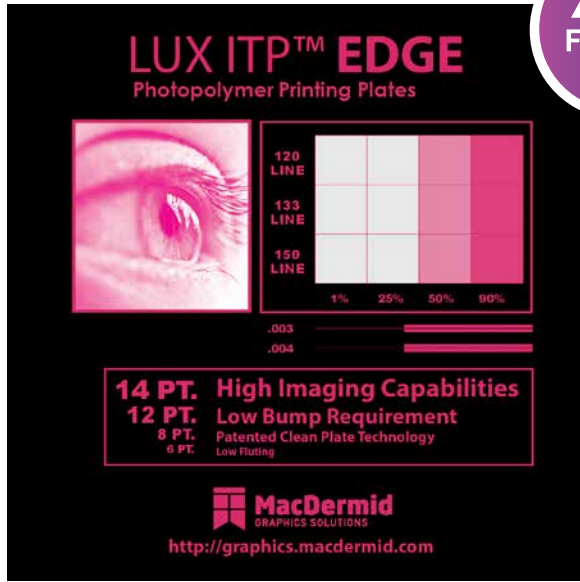
Photopolymer Plates



LUX ITP™



EDGE



LUX ITP™ **EDGE** features MacDermid's revolutionary flat-top dots in the plate. With its optimized dot structure, LUX ITP **EDGE** reduces fluting without the use of additional platemaking techniques or exposure systems.

This photopolymer plate is designed to print high-quality images on post-print corrugated with near 1:1 reproduction up to 120 lpi and proven results with minimal bump requirements up to 150 lpi. LUX ITP **EDGE** can print retail-ready packaging featuring high-end graphics with fine highlight dots on corrugated surfaces.

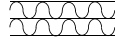
LUX ITP **EDGE** is our first corrugated-focused plate formulated with MacDermid's patented clean plate technology. Our clean plate technology reduces the number of press stops and ensures a cleaner print and better ink laydown. This technology increases quality and consistency enabling printers and converters to stay competitive with other print methods.

For high line screen print jobs in corrugated printing, partner with the plate manufacturer that innovates with you in mind – **MacDermid**.

KEY FEATURES & BENEFITS

- Flat-top dots directly in the plate
- High line screen and imaging capabilities; capable of 1% 150 lpi
- Patented clean plate technology
- Reduced fluting
- Near 1:1 mask-to-plate reproduction depending on line screen
- Exceptional consistency in printing
- Low tack

SEGMENTS

- Corrugated 

Elevate Your Print to the Next Level



LUX ITP™ EDGE

Photopolymer Plates

TECHNICAL SPECIFICATIONS

LUX ITP **EDGE** is available in thicknesses of 0.112 in (2.84 mm) to 0.250 in (6.35 mm) and in sizes up to 50 in x 80 in (1,270 mm x 2,032 mm). Please contact your MacDermid representative for details.

REPRODUCTION CAPABILITIES

	112-155 mil (3-4 mm)	170-250 mil (4-6 mm)
Halftones:	1-99% (150 lpi / 59 l/cm)	2-97% (120 lpi / 47 l/cm)
Fine lines:	0.002 in/0.05 mm	0.003 in/0.08 mm

PLATE PROCESSING*

It is recommended that LUX ITP **EDGE** be processed with SOLVIT® M100, SOLVIT LO or SOLVIT QD. Most other safe-solvent solutions may be used.

*Processing times for any particular job and process are determined by equipment and other factors; consult your MacDermid representative for help in optimizing your plate processing.

RECOMMENDED PROCESSING CONDITIONS*

GAUGE (mil/mm)	DUROMETER (Shore A)	DESIRED RELIEF (mil/mm)	BACK EXPOSURE ¹ (mJ/cm ²) (sec)	FACE EXPOSURE ¹ (mJ/cm ²) (min)	WASHOUT ² (sec)	DRY TIME (hrs)	POST EXPOSURE ³ (min)	DETACK ⁴ (min)		
112 / 2.84	38	30 / 0.76	1600	55	5000-7000	4	400	2	5	3
155 / 3.94	34	60 / 1.52	2400	80	5000-7000	4	450	3	5	3
250 / 6.35	32	120 / 2.54	3300	110	8000-10,000	5	650	3	5	3

*Contact your MacDermid representative for assistance in establishing proper processing conditions

1. Lamp intensity is 30 mW/cm²
2. SOLVIT M100 washout times
3. Lamp intensity is 6 mW/cm²
4. Lamp intensity is 10 mW/cm²
5. Lamp intensity is 10 mW/cm²

INK/SOLVENT COMPATIBILITY

LUX ITP **EDGE** plates have ink compatibility similar to natural rubber. Plates are compatible with water and alcohol based inks. LUX ITP **EDGE** is not recommended for oil-based inks, hydrocarbon solvents, or inks with acetate content higher than 20%.

APPLICATIONS

LUX ITP **EDGE** is a sheet photopolymer with a dot profile optimized for post-print corrugated.



MacDermid

GRAPHICS SOLUTIONS

<http://graphics.macdermid.com>

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