

The Right Printing Plate For All Corrugated Board Print Applications

MacDermid MGC is the next generation sheet photopolymer specifically designed to address all direct print corrugated board requirements.

MGC sheet photopolymer ensures high quality direct printing for the most demanding corrugated print surfaces. The soft plate durometer, 32 Shore A, provides excellent solids coverage, while its low tack and high resilience offer long and clean press runs.

MGC has the added capability to image fine detail without the need to back mask, providing superior print quality and cycle time savings for the plate maker.

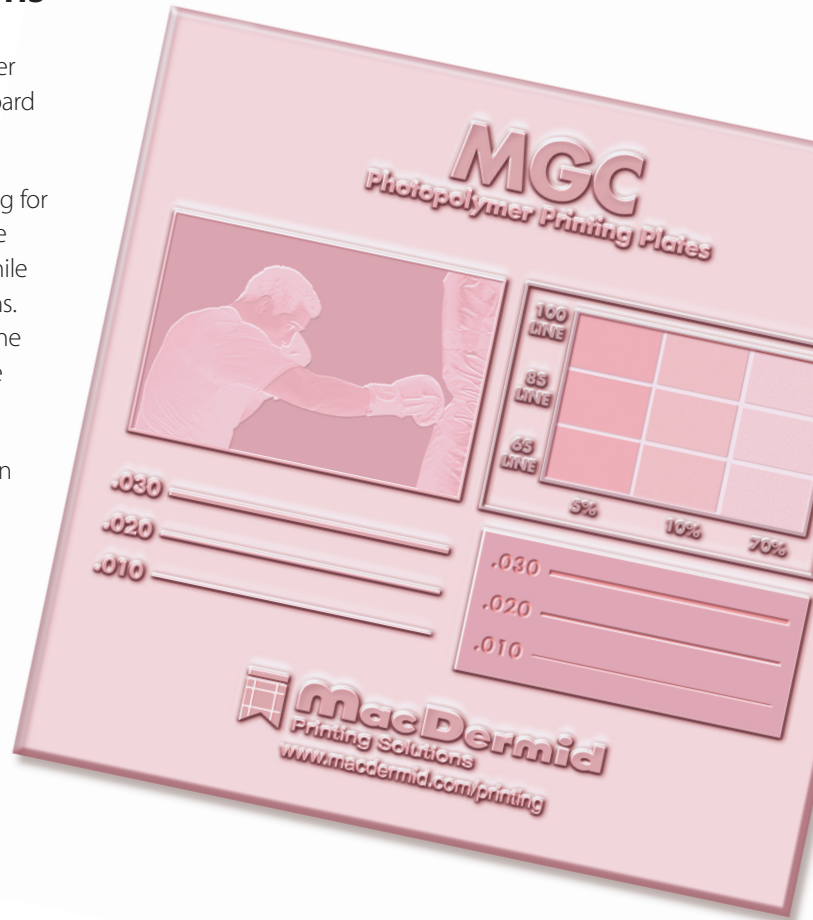
For exceptional, direct printing on corrugated board, count on the company that says "Yes We Can."

Key Features

- Quick wash out
- Holds the finest detail without the need to back mask
- Image fidelity for high-end graphic and halftone reproduction at all gauges
- No cupping allows for uniform impression at all process speeds
- Chip resistant, tack free and extremely durable

Segments

Corrugated



MGC

Photopolymer Plates

Technical Specifications

MGC is available in thicknesses of 0.112"(2.84mm) – 0.250"(6.35mm) and in sizes up to 52" x 80"(1,320mm x 2,032mm). Please contact your MacDermid representative for details.

Reproduction capabilities

Halftones: 0.112-0.250 gauge (2.84mm - 6.36mm)

2 - 90% at 100 lpi (40 lines/cm)

Fine lines: 0.005 in. (0.13mm) width

Isolated dots: 0.015 in. (0.38mm) diameter

Fine lines and isolated dots using 0.250 (6.35mm) plate

Plate processing*

Use with SOLVIT® QD is recommended. Most other safe-solvent solutions may be used.

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

Recommended Processing Conditions*

Gauge (mil/mm)	Durometer (Shore A)	Desired Relief (mil/mm)	Back exposure (mJ/cm ²)	Face exposure line (mJ/cm ²)	Face exposure screen (mJ/cm ²)	Wash out ¹ (seconds)	Post exposure ² (minutes)	Detack ³ (minutes)	Dry (hours)
112/2.84	38	55/1.40	750	4,000	6,000	400	8	8	1.5-2
125/3.18	36	60/1.52	900	4,000	6,000	400	8	8	1.5-2
155/3.94	34	70/1.78	900	4,000	6,000	450	8	8	2-2.5
250/6.35	32	125/3.18	2,300	8,000	10,000	650	8	8	2-2.5

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

- ① Solvit QD washout times
- ② Lamp intensity 17mW
- ③ Lamp intensity 10mW

Ink/Solvent Compatibility

MGC plates have ink compatibility similar to natural rubber. Plates are compatible with water and alcohol-based inks containing up to 25% acetate. MGC is not recommended for oil-based inks, hydrocarbon solvents, or inks with acetate ester content higher than 25%.

Applications

MGC is a sheet photopolymer for use in corrugated post print markets and other flexo markets that require a soft durometer plate.

YES WE CANSM

It takes more than innovative, high performance products and superior technical service to help our customers compete and win in today's global marketplace. It takes a total commitment to understanding their needs and the ability to provide the right solutions—every time.

When success is your only goal, trust the company that says "Yes We Can."



For more information, please contact us at:

5210 Phillip Lee Drive, Atlanta, GA 30336
Phone: 800.348.7201 or 404.696.4565

www.macdermid.com/printing