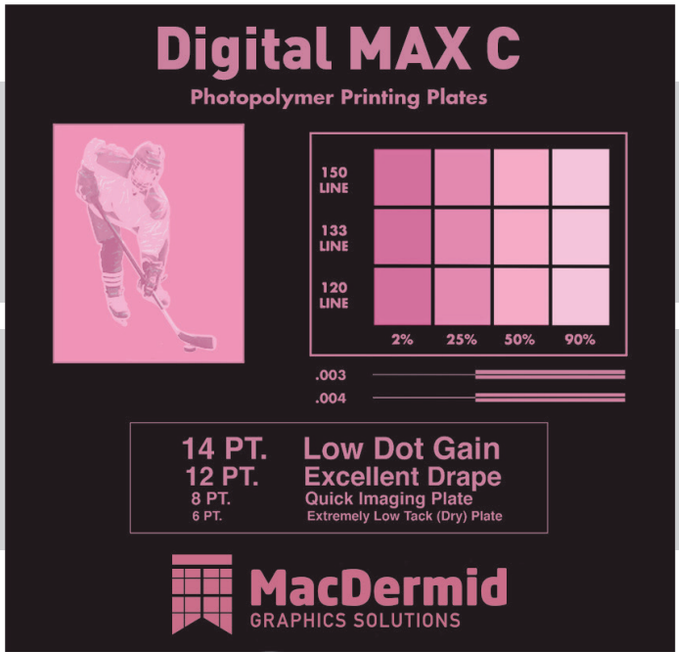
Digital MAX C

Photopolymer Plates



A Plate Designed Specifically for Coating and Varnish Printing.

MacDermid's Digital MAX C was designed for optimum ink transfer with a wide variety of specialty inks, varnishes, and coatings used in the flexographic market. Digital MAX C can also be combined with MacDermid's LUX® process, along with advanced prepress screening techniques, to give a true step change in coating, ink, or varnish coverage.

When you need a plate with excellent ink transfer and print performance in commercial and packaging print applications, count on the company that innovates with you in mind. MacDermid.

KEY FEATURES

- Optimized formulation for enhanced transfer capability with various specialty inks, varnishes and spot and full coatings
- Can be used in combination with the MacDermid LUX process for further optimization of coverage
- Thicker PET backing allows use in coating stations with good registration
- Digital format, enabling high resolution, sharp detail, and clean images
- Capable of solvent and thermal processing

SEGMENTS

- Flexible Packaging
- Folding Carton

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Digital MAX C

Photopolymer Coating Plates

TECHNICAL SPECIFICATIONS

Digital MAX C is available in a thickness of 0.045" (1.14mm) in sizes up to 50" x 80" (1270mm x 2032 mm). Please contact your MacDermid representative for details.

PLATE PROCESSING*

Digital MAX C can be processed with SOLVIT® M100 or SOLVIT® QD in common solvent processing systems. Most other safe-solvent solutions may also be used. Digital MAX C can also be processed in MacDermid's LAVA thermal processing systems.

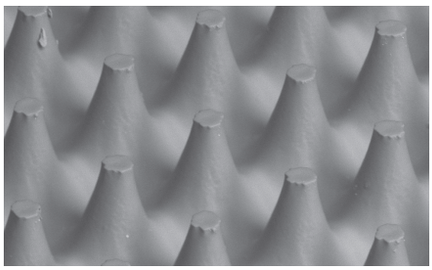
Processing times for any particular job and process are determined by equipment and other factors; consult your MacDermid representative for help in optimizing your plate processing.

INK/SOLVENT COMPATIBILITY

Digital MAX C is a digital sheet photopolymer for use in various water-based and UV coating applications, as well as varnishes and specialty inks.

APPLICATIONS

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



RECOMMENDED PROCESSING CONDITIONS*

GAUGE	DUROMETER	DESIRED RELIEF	BACK EXPOSURE[1,2]		FACE EXPOSURE[2]		WASH OUT[3]	DRY TIME	POST EXPOSURE[3]	DETACK[4]
(mil/mm)	(Shore A)	(mil/mm)	(mJ/cm^2)	(sec)	(J/cm^2)	(min)	(sec)	(min)	(min)	(min)
45/1.14	78	20/0.51	1120	70	9.6	10	280	90	5	5

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

1. Lamp intensity 16mW
2. Solvit M100 washout times
3. Lamp intensity 17mW
4. Lamp intensity 10mW

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