

# Digital MAX C

Photopolymer Plates



**Digital MAX C**  
Photopolymer Printing Plates


150 LINE  
133 LINE  
120 LINE

2% 25% 50% 90%

.003  
.004

14 PT.  
12 PT.  
8 PT.  
6 PT.

**Low Dot Gain**  
Excellent Drape  
Quick Imaging Plate  
Extremely Low Tack (Dry) Plate

 **MacDermid**  
GRAPHICS SOLUTIONS

## A Plate Designed Specifically for Coating and Varnish Printing.

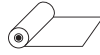

MacDermid's Digital MAX C was designed for optimum ink transfer with a wide variety of specialty inks, varnishes, and coatings used in the flexographic market. Digital MAX C can also be combined with MacDermid's LUX® process, along with advanced prepress screening techniques, to give a true step change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

# 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.

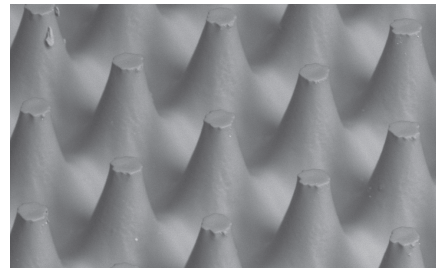
Processing times for any particular job and process are determined by equipment and other factors; consult your MacDermid representative for help in optimizing your plate processing.

### 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 <sup>1,2</sup>		FACE EXPOSURE <sup>2</sup>		WASH OUT <sup>3</sup>	DRY TIME	POST EXPOSURE <sup>3</sup>	DETACK <sup>4</sup>
(mil/mm)	(Shore A)	(mil/mm)	(mJ/cm <sup>2</sup> )	(sec)	(J/cm <sup>2</sup> )	(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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