

# SOLVIT<sup>®</sup> QD

## Photopolymer Plate Solvent



### Process High Quality Photopolymer Plates in Half the Time

MacDermid Solvit<sup>®</sup> QD provides the same benefits of Solvit M100, plus a substantial reduction in plate drying times. Solvit QD is the result of blending two primary components which deliver a milder wash to the plate and less absorption of the washout solution. This blend will dry a developed plate to its original gauge in about half the time required by other washout solutions, reducing the bottleneck in plate production. Solvit QD typically dries thin plates in one hour and thick plates in two to three hours, while only increasing washout times by two to four minutes.

Solvit QD is the superior formulation that is not only safer, it produces better flexographic plates because it reduces plate swell, plate tack, and "orange peel". Supported by MacDermid's dedicated customer and technical service group, Solvit QD is your best choice.

For washout systems that improve productivity and process better plates, count on the company that innovates with you in mind- **MacDermid**.



### KEY FEATURES & BENEFITS

- Produces better overall flexographic plates
- Reduces plate drying time by 50%
- Safe, easy to use chemistry
- Eliminates problems associated with chlorine solvents
- Compatible with most solvent-ready plate washout systems

Elevate Your Print to the Next Level



# SOLVIT<sup>®</sup> QD

## Photopolymer Plate Solvent

### TECHNICAL SPECIFICATIONS

Appearance & Color	Clear liquid
Density (lb/gal@25 °C)	6.9
Evaporation Rate (n-BuAc=1)	0.1 (est.)
Flash Point (°F, TCC)	147 (64°C)
Initial Boiling Point (°F)	378 (192°C)
Odor	Light & Mild Solvent Odor
pH of Water Solution	Neutral
Solubility in Water	4 wt% (approx.)
Specific gravity (25°C)	0.86
Vapor Density (air=1)	5.93
VOC Content (g/liter)	834 @ 77°F (25°C)

#### Typical Process Conditions

CALIPHER	WASH (secs)	DRY (mins)	TOTAL (mins)
.045	390-430	30-40	36-47
.067	420-460	25-45	32-53
.107	465-505	40-50	48-59
.125	545-585	45-90	54-100
.155	600-680	45-90	55-101
.250	1040-1140	60-90	77-109

\* Actual processing times may vary based on plate composition.

#### Washout Solution Viscosity Reference Chart

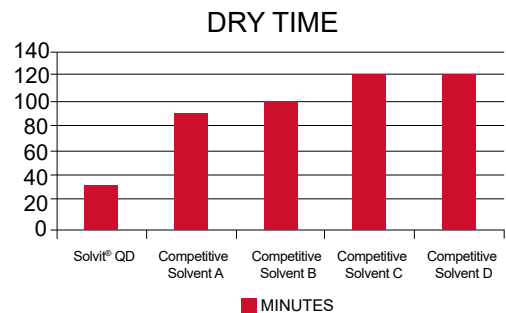
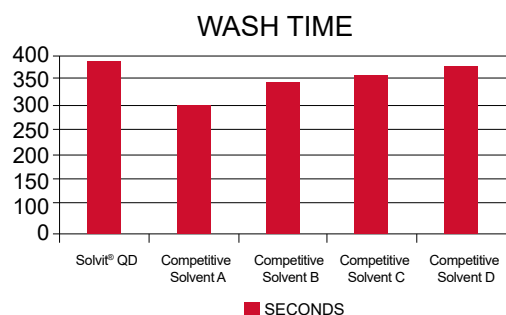
% SOLIDS	FLOW IN SECS	CPS
	#1 Zahn Cup	centipoises measured @ 77±1° (24C)
0.00%	33.82	5.302
1.00%	34.84	6.424
2.00%	35.85	7.535
3.00%	36.79	8.569
4.00%	38.70	10.670
5.00%	41.93	14.223
6.00%	45.98	18.678

\* Target for most plate processors 3.5% - 4.0% maximum solids

### APPLICATIONS

Solvit QD was developed for processing all solvent-wash sheet photopolymers. It can be used with digital or analog plates in any market application.

### WASH & DRY TIMES



# MacDermid

GRAPHICS SOLUTIONS

<http://graphics.macdermid.com>

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