

+ Solvent Compatibility Guide

Tech Tip #116



MacDermid photopolymer printing plates were grouped by resin type (Table 1) and rated (Table 2) as to their relative resistance to various solvents. For questionable washup solutions, immerse a strip of plate in the solvent for 5 minutes. If the strip does not swell, curl, soften, or become tacky, the solvent should be acceptable. Samples of questionable solvent, along with appropriate SDS, can be given to your MacDermid Technical Representative for testing.

Table 1 MacDermid Photopolymer Resins

Group 1	Group 2
M Stamp 50	LTL, LTS
	MWH
	M Cap 45, M Cap 55
	M Clear - 1



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Table 2 Solvent Compatibility Rating¹

Solvent	Resin Group		Solvent	Resin Group	
	1	2		1	2
Acetone	U	U	Kerosene	S	U
Butyl Cellosolve	U	U	Ketones	U	U
Cellosolve	U	U	Methanol	U	U
Chlorinated hydrocarbons	U	U	Methyl Cellosolve	U	U
Cyclohexane	U	U	Methyl ethyl ketone	U	U
Diethylene glycols	S	S	Mineral Spirits	U	U
Ethanol	U	U	n-propanol	U	U
Ethyl acetate	U	U	Naphtha, V, M, & P	S	U
Ethylene glycol	S	S	2-Nitropropane	U	U
Heptane	S	U	Propylene Glycols	S	S
Hexane	S	U	Toluene	U	U
Isopropanol	U	U	Xylene	U	U

1. S=Satisfactory; F=Fair; U=Unsatisfactory