

# RBI

## Photopolymer Plates

**RBI** photopolymer is a 50 durometer (Shore A) resin used to manufacture 0.067-0.125" liquid photopolymer printing plates for the wide web water based ink printing market. RBI has high resilience for improved ink transfer on press. The product is dyed red to improve the contrast of the plate surface for assistance in mounting. RBI is heat/humidity and UV resistant; ambient UV and white fluorescent light will not degrade the product. RBI responds to germicidal light, is totally tack free, and has slip agents.

### PACKAGING

RBI is packaged in 5-gallon (40 lbs., 18 kg, net wt.) plastic containers.

### STORAGE HANDLING

Liquid photopolymer resins should be stored below 95° F (35° C), out of direct sunlight. Special lighting is not required in the platemaking area. Resin should be allowed to equilibrate to platemaking room temperature prior to use.

### DISPOSAL

Liquid photopolymer resins, detergents, and developers are biologically degradable. None of the materials are regulated as priority pollutants under the Clean Water Act. The resin is not regulated by the EPA as a hazardous substance or as a toxic chemical. Waste material should be disposed of in accordance with applicable local, city, state and federal regulations.

### PRODUCT SAFETY

As with any platemaking product, read and understand the Material Safety Data Sheet (MSDS) before using this product. Good industrial hygiene and safe handling practices are advised when handling this product. Ask your MacDermid Technical Representative if you have any questions.

### PRODUCT INFORMATION

#### PHYSICAL PROPERTIES

Hardness (Shore A) . . . . .	.50
Viscosity (POV, cps/sec) . . . . .	30,000
Appearance . . . . .	Red
Cloud Point, °F (°C) . . . . .	<32 (0)
Freezing Point, °F (°C) . . . . .	<32 (0)
Temp. to Thaw, °F (°C) . . . . .	68 (20)

#### PERFORMANCE SPECIFICATIONS

Plate Thickness (in) . . . . .	0.045-0.125
Background Thickness (in) . . . . .	0.025-0.100
Relief Height (in) . . . . .	0.020-0.065
Tone Range Reproduction, % . . . . .	2-95
Line Screen, lpi, max(1) . . . . .	100

#### SUBSTRATE/WASHOUT CHEMISTRY

Substrate Type . . . . .	Type N
Washout Chemistry . . . . .	W6410-L

(1)When used as a capped plate. For recommended cap/base combinations, see Technical Information Sheet TI-132.

### TO ORDER:

Call MacDermid Printing Solutions Customer Service:  
(800) 348-7201 or (404) 696-4565

### FOR ADDITIONAL INFORMATION:

Call (800) 348-7201 or visit  
[www.macdermid.com](http://www.macdermid.com)

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