



# Cyrel<sup>®</sup> EXL flexographic plates

**Cyrel<sup>®</sup> EXL...the new  
standard for "EXL-ence"**

## **Product Features and Benefits**

- Outstanding exposure latitude for single exposure without masking for even the most critical designs.
- A capped plate with greater durability for consistent print quality over the longest runs.
- Companion plate to uncapped Cyrel<sup>®</sup> UXL.

- Superior results on press—fine linework, clean reverses.
- Outstanding ink transfer for uniform printing.
- Contrasting image color for easier and quicker plate mounting.
- Wide range of ink compatibility.
- Uniform thickness assures minimum makeready and good print quality.



# DuPont Cyrel® EXL flexographic plates

## Availability

### Standard Plate Sizes:

12 × 15 in (30.5 × 38.1 cm),  
 18 × 30 in (45.7 × 76.2 cm),  
 24 × 30 in (61.0 × 76.2 cm),  
 30 × 40 in (76.2 × 101.6 cm),  
 42 × 60 in (106.7 × 152.4 cm),  
 42 × 80 in (106.7 × 203.2 cm)

### Plate Thickness:

0.067 in (1.70 mm), 0.107 in (2.72 mm),  
 0.112 in (2.84 mm), 0.125 in (3.17 mm)

Contact your local Cyrel® sales representative to obtain additional size and thickness availability.

## Storage

**Unexposed plates:** Store unexposed plates flat, in a cool area (40–90°F [4–32°C]), away from direct sources of heat. No humidity control is required.

**Used plates:** Thoroughly clean ink from plates with a compatible solvent before storing—either on plate cylinders, Cyrel® Sleeve, or demounted and flat. Do not expose plates to direct sunlight, excessive white light, or continuously to very high ozone concentrations.

## Handling—Raw Material

Opened boxes of Cyrel® plates should be stored only in a safelight area. Plates must be protected from UV light. White incandescent or fluorescent light, window light, and sunlight must be avoided. Alternately, for white light illumination, a UV filter material can be used.

## Consistent Quality

DuPont is the only global supplier of photopolymer plates to the flexographic market that manufactures under an ISO-9000 certified quality process. This ensures that each Cyrel® plate is manufactured to the same high standard of quality.

Cyrel® EXL Inks and Solvents		Maximum Concentration
	Ethyl Alcohol	100
	Isopropyl Alcohol	100
	Normal Butyl Alcohol	100
	Normal Propyl Alcohol	100
	Water	100
	Ethyl Cellosolve®	30
	Ethyl Acetate	20
	Normal Propyl Acetate	20
	Hexane	5
	Heptane	5
	Butyl Cellosolve®	3
	Benzene	1
	Toluene	1
<b>Recommended Plate Cleaners</b>	Propyl Alcohol Super Cleaner Do not clean with acetates or glycol ethers.	
<b>Image Reproduction</b>	Halftone	1–95% on a 150 line screen (60 line/cm)
	Fine Lines	.004 in width (0.102 mm)
	Isolated Dot	.005 in diameter (0.127 mm)
	Relief Depth	.020–.030 in (0.51–0.76 mm) recommended, dependent on back exposure
	Durometer (Shore A)	45–60 for .125–.067 in (3.2–1.7 mm) plates
<b>Platemaking Time</b>		<b>.067 in (1.7 mm)</b> <b>.107 in (3.2 mm)</b>
	Backflash Exposure*	15–35"      90–180"
	Main Exposure*	6–16'      6–16'
	Washout	
	In-Line Optisol®	400–450"      400–450"
	Rotary Optisol®	18–20'      18–20'
	Drying	2 hours      2 hours
	Light Finishing**	15–25'      15–25'
	Post-Exposure	10'      10'
	* Exposure times, which depend on material batch, lamp age, and image characteristics, should be reestablished for optimum plate quality.	
	** Light finishing time depends on lamp intensity, temperature and air flow.	

Nothing prints like Cyrel®. 1-800-345-9999 (prompt 1, 5)

In Canada: 1-800-387-2122

In Mexico: (5) 722-1248

www.dupont.com/cyrel

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**Cyrel®**  
Only by DuPont