



Cyrel[®] NOW flexographic plates

**The "NOW" Plate...
the product of the future
is here**

Cyrel[®] NOW

Cyrel[®] NOW plate is a high durometer, uncapped plate that delivers superior image resolution and outstanding ozone and wear resistance. Printing results prove that not only capped plates deliver superior print quality.

Features and Benefits

- Uncapped high ozone, wear and crack resistant plate
- Outstanding exposure latitude
- Excellent image resolution with sharp reverses
- High resistance to UV inks
- Hard, yet limp plate
- Dries 1/2 to 1 hour faster
- Detacks fast



DuPont Cyrel® NOW flexographic plates

Availability

Standard Plate Sizes:

30 × 40 in (76.2 × 101.6 cm)
42 × 60 in (106.7 × 152.4 cm)

Plate Thickness:

0.045 in (1.14 mm), 0.067 in (1.70 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 de-mounted 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.

Printing—Mounting

High tack, double-sided adhesive tapes are recommended for mounting Cyrel® plates. These contain aggressive adhesives which adhere the plate firmly to the plate cylinder. Tapes should be of uniform thickness to obtain maximum advantage of exceptionally uniform Cyrel®. Unevenness in the tape will be seen in the printed result and may necessitate makeready to compensate for low spots in the tape.

Printing—Ink and Solvent

Cyrel® NOW plates are specially formulated for UV curing inks. They are also compatible with alcohol-based and water-based inks as well as solvent mixtures containing more active solvents as shown in the following table.

Cyrel® NOW		
UV inks:	Compatible with most of UV curing inks	
Solvents:		Maximum Concentration
	Ethyl Alcohol	100
	Isopropyl Alcohol	100
	Normal Butyl Alcohol	100
	Normal Propyl Alcohol	100
	Ethyl Cellosolve®	30
	Methyl Cellosolve®	30
	Water	100
	Ethyl Acetate	20
	Normal Propyl Acetate	20
	Hexane	5
	Heptane	5
	Benzene	1
	Toluene	1
Image Reproduction	Halftone	1–95% on a 150-line screen (59 lines/cm)
	Fine Lines	0.004 in (0.102 mm) width
	Isolated Dot	0.005 in (0.127 mm) diameter
	Relief Depth	0.020–0.030 in (0.508–0.762 mm)
	Durometer (Shore A)	65–75 for 0.067–0.045 in (1.7–1.14 mm) plates
Platemaking Time		0.045 in (1.14 mm) 0.067 in (1.7 mm)
	Backflash Exposure* (sec)	30–40 110–130
	Main Exposure* (min)	5–30 5–30
	Washout	380–450 sec 380–450 sec
	Drying (hrs)	1–1½ 1–1½
	Light Finishing** (min)	10 10
	Post-Exposure (min)	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)

Cyrel® is a registered trademark of DuPont.

Cellosolve® is a registered trademark of Union Carbide.

In Canada: 1-800-387-2122

In Mexico: (5) 722-1248

www.dupont.com/cyrel



Cyrel®
Only by DuPont