

DuPont™ Cyrel® CL

HIGH QUALITY PHOTOPOLYMER COATING PLATES

DuPont Packaging Graphics

To help our customers gain competitive advantage in the global packaging graphics value chain.

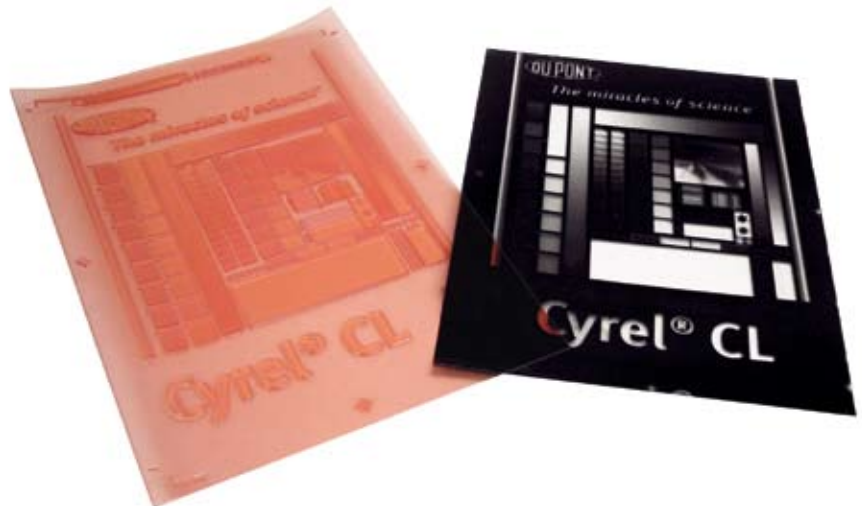
DuPont Packaging Graphics continues to be a global technology leader in supplying flexographic printing systems. Our scientists continue to develop unique solutions based on new technologies to help our customers expand their business by taking advantage of new profitable packaging printing opportunities. DuPont Packaging Graphics portfolio of products includes Cyrel® brand photopolymer plates (analogue and digital), Cyrel® platemaking equipment, Cyrel® round sleeves, Cyrel® plate mounting systems and the revolutionary Cyrel® FAST thermal system.

Cyrel® CL is the family of high quality photopolymer coating plates, designed to meet the needs of high gloss print finishing.

Applications

This photopolymer plate offers high quality print finishing on folding carton, such as food packaging, cigarettes, cosmetics etc. It is also used in commercial printing for spot coating of catalogues, calendars, and brochures. Cyrel® CL can be used for inline and off-line coating of:

- Aqueous coating
- UV-Lacquer
- Metallic Ink
- Iriodin® pigmented Ink



DuPont™ Cyrel® CL

Product Features

- Excellent coating and ink transfer permits superior coating
- High resolution and exact register assure that fine detail and complex forms can be spot-coated and printed in the coating tower
- High durability for long print runs
- Image relief is clean and sharp
- Can be used again and again without any loss of registration

Printing ink and solvent compatibility

Cyrel® CL offers excellent compatibility with UV-lacquers and water-based inks. The polyester base will maintain accurate registration even with large plates.

Process of use

Expose the plate through the back to establish the floor and maximize sensitivity. Back exposure varies according to relief required. Remove the protective coversheet and expose the front of the plate. Process the plate in the Cyrel® plate processor. Finish the plate in a light finisher to eliminate surface tackiness. Post-expose the plate to ensure complete polymerisation.

Storage – Raw Material

Store unexposed plates in a cool area (4-32° C), away from direct sources of heat. Humidity control is not required. Cyrel® CL is foam interleaved to provide maximum protection of the plate after



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manufacture, and during transportation and storage. Plates should be stacked flat. Plates should not be exposed to direct sunlight or excessive white light. Continuous exposure to very high ozone concentrations should be avoided.

Handling – Raw Material

Cyrel® CL plates should be handled under UV free light; e.g. fluorescent tubes covered with amber sleeves.

Storage – Finished Plates

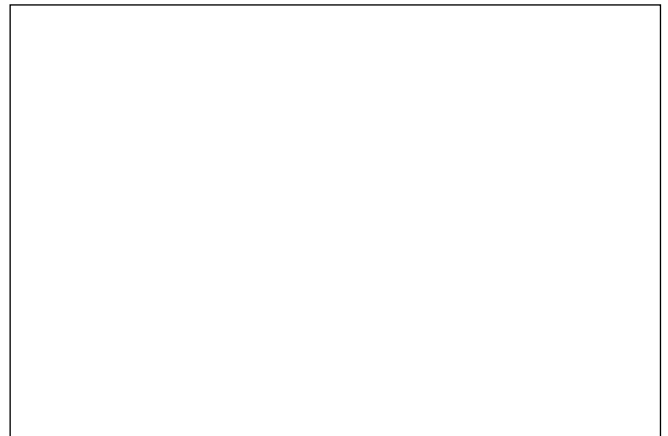
After printing, plates should be thoroughly cleaned with compatible solvent before storing. They may be stored on cylinders, sleeves or demounted and stored flat.

Technical Data		
	Cyrel® CL4 N Thickness 1.14 mm/ 0.045 inch	Cyrel® CL4 P Thickness 1.14 mm/ 0.045 inch
Durometer	66 Sh A	67 Sh A
Image Reproduction	2 – 95% 48 L/cm	2 – 95% 48 L/cm
Minimum positive line width	0.25 mm/ 10 mil	0.25 mm/ 10 mil
Minimum isolated dot size	100 µm	100 µm
Relief Depth	No back exposure needed; plate will be washed down to the base.	No back exposure needed; plate will be washed down to the base.

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To learn more, visit www.packaging-graphics.dupont.com
 or contact your Cyrel® specialist



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“Advancing Flexography”