

# DuPont™ Cyrel® FOP

CYREL® FAST PHOTOPOLYMER COATING PLATES FOR OFFSET

## 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® FAST plates in one hour or less! Cyrel® FOP is the latest development from DuPont in coating plates for offset. This new photopolymer plate is made in a process free of solvents or any other liquid.**

### Applications

This new photopolymer plate offers high quality print finishing on folding carton, such as packaging of food, cigarettes, cosmetics etc. It is also used in commercial printing e.g. for spot coating of catalogues, calendars, and brochures.

Cyrel® FOP is applied for inline and off-line coating of:

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



## DuPont™ Cyrel® FOP

### Product Features

- Extremely rapid access time thanks to thermal plate processing without drying
- Excellent coating and ink transfer permits superior coating quality
- High resolution and exact register assure that fine detail and complex forms can be spot-coated and printed in the coating tower
- Higher durability with long print runs
- Image relief is clean and sharp
- Exceptional thickness uniformity – no plate swelling during platemaking
- Less make ready time on press

### Printing ink and solvent compatibility

Cyrel® FOP is compatible with water based and UV-lacquers and inks. The polyester base will maintain accurate register even with large plates.

### Platemaking

The Cyrel® FAST thermal developer allows the production of Cyrel® FAST finished plates in less than one hour, making it the ideal just-in-time platemaking system for a market that demands quick turnaround at the highest possible quality. The Cyrel® FAST thermal developer delivers outstanding plate quality and uniformity. This processor has the ability to produce a finished plate without solvent washout. The Cyrel® EC/LF for exposing and light-finishing plates is available to complement the Cyrel® FAST thermal developer.



*The miracles of science™*

### Process of use

FOP is designed to work with Cyrel® FAST thermal platemaking. Expose the plate through the back to establish the floor and maximize sensitivity. Back exposure varies according to relief required. Remove the protective cover-sheet and expose the front of the plate through the negative film to form the image. Negative films should have a high matt surface. Process the plate in the Cyrel® FAST thermal developer. 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® FOP is foam interleaved to provide maximum protection of the plate after 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® FOP plates should be handled under UV free light; e.g. fluorescent tubes covered with amber sleeves.

### Storage – Finished Plates

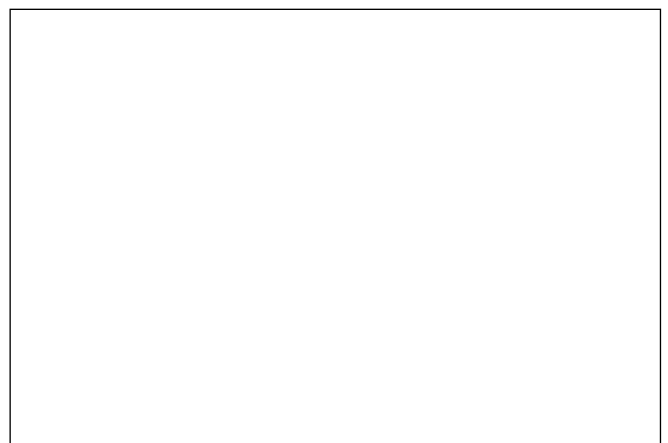
After printing, plates should be thoroughly cleaned with compatible solvent before storing. They may be stored on cylinders, sleeves or demounted and stored flat.

<b>Technical Data</b>	
	<b>Cyrel® FOP 45 Thickness 1.14 mm/ 0.045 inch</b>
<b>Durometer</b>	73 Sh A
<b>Image Reproduction</b>	2 – 95% 48 L/cm
<b>Minimum positive line width</b>	0.25 mm/ 10 mil
<b>Minimum isolated dot size</b>	250 µm
<b>Relief Depth</b>	0.4 – 0.5 mm/ 0.016 – 0.020 inch

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To learn more, visit [www.packaging-graphics.dupont.com](http://www.packaging-graphics.dupont.com)  
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**“Advancing Flexography”**