

DuPont™ Cyrel® DFQ

HIGH DUROMETER HIGH RESOLUTION DIGITAL PLATE
FOR CYREL® FAST

DuPont Packaging Graphics

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

Long committed to the advancement of flexography, DuPont Packaging Graphics continues to bring innovative technologies and solutions to the packaging industry. Our scientists are focused on developing workflows that provide superior quality, consistency and productivity in a sustainable offering so that you can enhance **your** competitive advantage and grow your business. DuPont Packaging Graphics portfolio of products includes Cyrel® brand photopolymer plates (analog and digital), Cyrel® platemaking equipment, Cyrel® round sleeves, Cyrel® plate mounting systems and the revolutionary Cyrel® FAST thermal platemaking system.

Cyrel® FAST plates in one hour or less!
Cyrel® DFQ is the high durometer plate for the DuPont thermal platemaking process, designed to meet the needs of high quality flexo with fine halftone, linework and solids.

Applications

- Flexible packaging
- Tag & Label
- Envelopes
- Carrier bags
- Folding cartons
- Pre-print liner
- Beverage cartons

Product features

- Extremely rapid access time thanks to thermal plate processing without drying
- Excellent ink transfer permits superior printing uniformity
- High durability for long print runs
- High exposure resolution results in better quality reproduction
- Image relief is clean and sharp



DuPont™ Cyrel® DFQ

- Exceptional thickness uniformity – no plate swelling during platemaking
- Less make ready time on press
- High resistance to ozone and white light results in excellent storage capability

Printing ink and solvent compatibility

Cyrel® DFQ offers excellent compatibility with UV, solvent-based and water-based inks.

Platemaking

The Cyrel® FAST thermal developer produces finished Cyrel® FAST plates in less than one hour, making it the ideal just-in-time platemaking system for a market that demands quick turnaround and high quality. The Cyrel® FAST thermal developer delivers outstanding plate quality and uniformity.

This processor produces 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.

Process of use

DFQ 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 image the plate with the Cyrel® Digital Imager (CDI). Expose the front of the plate 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 polymerization.

DuPont Packaging Graphics
“Advancing Flexography”



The miracles of science™

Mounting

Cyrel® Microflex mounting devices are recommended for mounting Cyrel® DFQ plates. The double sided adhesive should first be applied to the cylinder or sleeve – not the plate – to ensure easier and precise laydown. The polyester base will maintain accurate register even with large plates.

Storage – Raw material

Store unexposed plates in a cool area away from direct sources of heat. Humidity control is not required. Cyrel® DFQ 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® DFQ plates should be handled under UV free light; e.g. fluorescent tubes covered with amber sleeves.

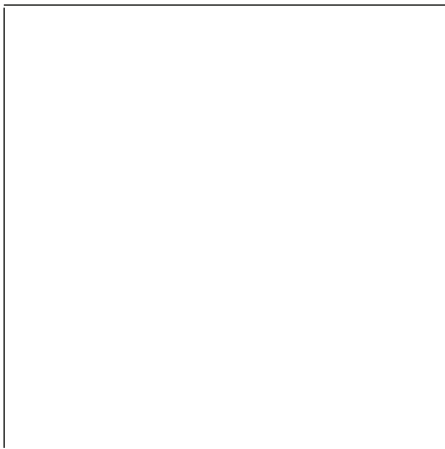
Storage – Finished plates

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® DFQ 67 Thickness 1.70 mm / 0.067 inch
Durometer	73 Sh A
Image reproduction	1 – 98 % 60 L/cm
Minimum positive line width	0.075 mm / 3 mil
Minimum isolated dot size	200 µm
Relief depth	0.45 - 0.55 mm / 0.018 - 0.022 inch

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