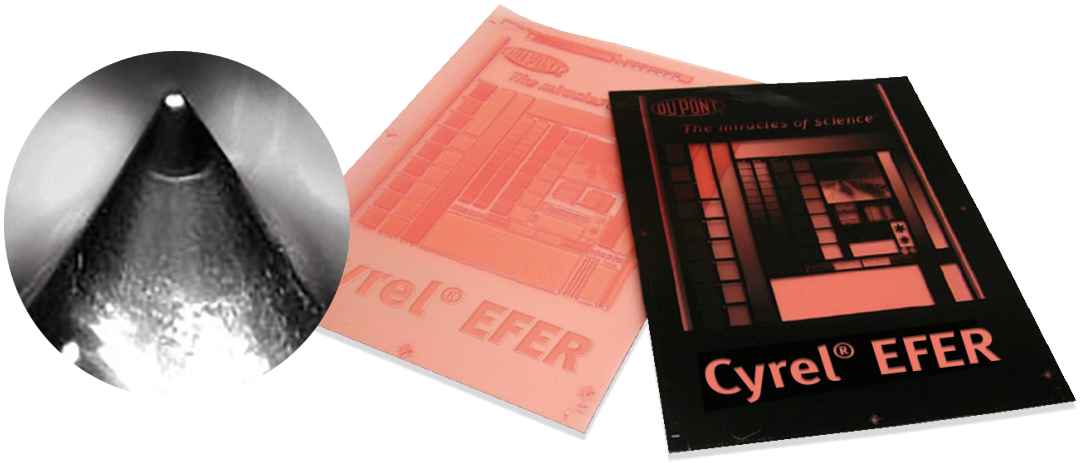
DuPont™ Cyrel® EASY FAST EFER

Built in flat top dot digital plate with an engineered surface

Applications

- Flexible packaging
- Tag and Label



Cyrel® EFER is the latest addition to the DuPont™ Cyrel® EASY platform with built-in flat top dot technology and is formulated for thermal processing. In addition to excellent print quality in terms of highlights, and smoothness of vignettes, DuPont™ Cyrel® EFER comes with greater platemaking latitude. With exceptional robustness, the plate delivers excellent longevity and cleanliness on press. Cyrel® EASY FAST EFER has an engineered surface for high solid ink density without micro-screening.

Product Features

- A plate that is based on advancements to Cyrel® EASY polymer that delivers high ink transfer and resolution.
- The advanced polymer formulation provides exceptional robustness while enabling the plates to run cleaner for longer on press making thermally processed Cyrel® EASY FAST EFER the flexible packaging industry benchmark.
- Ideally suited for extended gamut printing.
- The flat top dot shape compresses less, providing a more consistent and stable print surface.
- Higher latitude and better uniformity reduces setup time on press.
- The smaller shape flat top dot allows higher resolution and a very wide tonal range for crisper sharper printing results.
- The Cyrel®EASY FAST EFER's standardized, engineered surface allows higher solid ink density and lower graininess.
- No micro-screening needed, allowing for higher Cyrel® Digital Imager (CDI) productivity.
- Plates can be processed in less than an hour, with no drying step needed.
- Recommended for printing on smooth surfaces and film substrates.

Printing Ink and Solvent Compatibility

Cyrel® EASY FAST EFER plates offer excellent compatibility with solvent-based, water–based, and UV inks.

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® ECLF for exposing and light finishing plates is available to complement the Cyrel® FAST thermal developer.

Process of Use

DuPont™ Cyrel® EASY FAST EFER is designed to work with Cyrel® FAST thermal platemaking. Expose the plate through the back to establish the floor and minimize sensitivity. Back exposure varies according to relief required. Remove the protective coversheet, and image the plate with the CDI. Expose the front of the plate surface. Process the plate in the Cyrel® FAST thermal developer. Post – expose the plate

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to ensure complete polymerization. Finish the plate in a light finisher to eliminate surface tackiness.

Mounting

Microdot mounting devices are recommended for mounting Cyrel® EASY FAST EFER 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 (4–32°C, 40–90°F), away from direct sources of heat. Humidity control is not required. Cyrel® EASY FAST EFER 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.

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.

Plates Available	Thickness	Durometer	Image Reproduction	Min. Positive Line Width	Min. Isolated Dot Size	Relief Depth
Cyrel EASY FAST EFER 45	0.045" (1.14 mm)	76-78 Sh A	1-98% @ 190 lpi (75 L/cm)	0.10 mm (4 mil)	0.10 mm	0.60 mm
Cyrel EASY FAST EFER 67	0.067" (1.70 mm)	68-70 Sh A	1-98% @ 190 lpi (75 L/cm)	0.10 mm (4 mil)	0.10 mm	0.65 mm

DuPont Advanced Printing brings together leading technologies and products for the printing and package printing industries. DuPont™ Cyrel® is one of the world's leading flexographic platemaking systems in digital and conventional formats, including DuPont™ Cyrel® brand photopolymer plates (analog and digital), Cyrel® platemaking equipment, Cyrel® round sleeves, Cyrel® plate mounting systems and the revolutionary Cyrel® FAST thermal system.

For more information on DuPont™ Cyrel® or other DuPont products, please visit our website.

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