

DuPont™ Cyrel® EASY FAST EFX

Built in flat top dot, high ink transfer digital plate

Applications

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



DuPont™ Cyrel® EASY FAST EFX is the built-in flat top dot, thermal processed plate designed for the highest quality printing of halftones, linework and solids. Cyrel® EASY FAST EFX has a smooth surface which is ideally suited for the micro-screening of solids, exceptionally high solid ink density transfer and low dot gain.

Product Features

- A plate that is based on a completely new polymer that delivers higher ink transfer and resolution making thermally processed Cyrel® EASY FAST EFX 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 press make ready time.
- The smaller shape flat top dot allows higher resolution and a very wide tonal range for crisper sharper printing results.
- The Cyrel® EASY FAST EFX's smooth surface is perfect for special print effects based upon micro-screening.
- Plates can be processed in less than an hour, with no drying step needed.

Printing Ink and Solvent Compatibility

Cyrel® EASY FAST EFX offers excellent compatibility with solvent based, water-based inks, 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 EFX is designed to work with Cyrel® FAST thermal platemaking. Expose the plate through the back to establish the floor and minimise sensitivity. Back exposure varies according to relief required. Remove the protective coversheet, 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 polymerisation.

Mounting

Cyrel® Microflex devices are recommended for mounting Cyrel® EASY 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.

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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 EFX 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

Like all photopolymer plates, Cyrel® EASY FAST EFX 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.

Sizes Available	Thickness	Durometer	Image Reproduction	Min. Positive Line Width	Min. Isolated Dot Size	Relief Depth
Cyrel® EASY FAST EFX 45	1.14 mm (0.045")	74-76 Sh A	1-98% @ 190 lpi (75 L/cm)	0.10 mm (4 mil)	150 micron (0.15mm)	0.55 mm
Cyrel® EASY FAST EFX 67	1.70 mm (0.067")	65-67 Sh A	1-98% @ 190 lpi (75 L/cm)	0.10 mm (4 mil)	150 micron (0.15 mm)	0.65 mm
Cyrel® EASY FAST EFX 100	2.54 mm (0.10")	58-60 Sh A	1-98% @ 190 lpi (75 L/cm)	0.10 mm (4 mil)	150 micron (0.15 mm)	0.80 mm
Cyrel® EASY FAST EFX 107	2.72 mm (0.107")	58-60 Sh A	1-98% @ 150 lpi (60 L/cm)	0.10 mm (4 mil)	150 micron (0.15 mm)	0.80 mm
Cyrel® EASY FAST EFX 112	2.84 mm (0.112")	53-55 Sh A	1-98% @ 150 lpi (60 L/cm)	0.20 mm (8 mil)	200 micron (0.20 mm)	0.85 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 (analogue 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.



cyrel.com/ap

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PDS-AP0059-EN (04/19)