

DuPont™ Cyrel® EASY FAST EFE

Built in flat top dot digital plate with an engineered surface

Applications

- Flexible packaging
- Tag and Label



DuPont™ Cyrel® EASY FAST EFE is the built-in flat top dot, thermal processed plate designed for the highest quality printing of halftones, linework and solids. Cyrel® EASY FAST EFE has an engineered surface for higher solid ink density without micro-screening.

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 EFE 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 EFE's standardised, 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 EFE 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 EFE 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 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.

DuPont™ Cyrel® EASY FAST EFE

Built in flat top dot digital plate with an engineered surface

Mounting

Microdot mounting devices are recommended for mounting Cyrel® EASY FAST EFE 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 EFE 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 EFE 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 EFE 45	0.045" (1.14 mm)	74-76 Sh A	1-98% @ 190 lpi (75 L/cm)	0.10 mm (4 mil)	0.15 mm (150 micron)	0.55 mm
Cyrel® EASY FAST EFE 67	0.067" (1.70 mm)	65-67 Sh A	1-98% @ 190 lpi (75 L/cm)	0.10 mm (4 mil)	0.15 mm (150 micron)	0.65 mm
Cyrel® EASY FAST EFE 100	0.10" (2.54 mm)	58-60 Sh A	1-98% @ 190 lpi (75 L/cm)	0.10 mm (4 mil)	0.15 mm (150 micron)	0.80 mm
Cyrel® EASY FAST EFE 107	0.107" (2.72 mm)	58-60 Sh A	1-98% @ 150 lpi (60 L/cm)	0.10 mm (4 mil)	0.15 mm (150 micron)	0.80 mm
Cyrel® EASY FAST EFE 112	0.112" (2.84 mm)	53-55 Sh A	1-98% @ 150 lpi (60 L/cm)	0.20 mm (8 mil)	0.20 mm (200 micron)	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

The information provided in this data sheet corresponds to our knowledge on the subject at the date of its publication. It may be subject to revision as new knowledge and experience becomes available. This information is not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. Since we cannot anticipate all variations in end-use and disposal conditions, DuPont makes no warranties and assumes no liability in connection with any use of this information. It is intended for use by persons having technical skill, at their own discretion and risk. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right. DuPont™, the DuPont Oval Logo, and Cyrel® are trademarks or registered trademarks of DuPont or its affiliates. Copyright © 2019 DuPont de Nemours Inc. All rights reserved.

PDS-AP0062-EN (04/19)