DuPont™ Cyrel® EASY ESE

Built in flat top dot digital plate with an engineered surface

Applications

- Flexible packaging
- Tag and Label

DuPont™ Cyrel® EASY ESE is the built-in flat top dot digital plate designed for the highest quality printing of halftones, linework and solids. Cyrel® EASY ESE 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.
- 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 EASY ESE's standardised, engineered surface allows higher solid ink density and lower graininess.
- No micro-screening needed, allowing for higher Cyrel® Digital Imager (CDI) productivity.
- The simplified workflow reduces errors in the exposure/laminate step.
- Recommended for printing on smooth surfaces and film substrates.

Printing Ink and Solvent Compatibility

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

Process of Use

Expose the plate through the back to establish the floor and maximise 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® solvent processor to remove unexposed polymer. Finish the plate in a light finisher to eliminate surface tackiness.

Mounting

DuPont™ Cyrel® Microflex mounting devices are recommended for mounting Cyrel® EASY ESE 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 ESE 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.

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Handling – Raw Material

Like all photopolymer plates, Cyrel® EASY ESE 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 ESE 45	1.14 mm (0.045")	74-76 Sh A	1-98% @ 190 lpi (75 L/cm)	0.10 mm (4 mil)	0.15 mm (150 micron)	0.60 mm
Cyrel® EASY ESE 67	1.70 mm (0.067")	63-65 Sh A	1-98% @ 190 lpi (75 L/cm)	0.10 mm (4 mil)	0.15 mm (150 micron)	0.70 mm
Cyrel® EASY ESE 100	2.54 mm (0.10")	58-60 Sh A	1-98% @ 190 lpi (75 L/cm)	0.10 mm (4 mil)	0.15 mm (150 micron)	0.90 mm
Cyrel® EASY ESE 112	2.84 mm (0.112")	53-55 Sh A	1-98% @ 150 lpi (60 L/cm)	0.20 mm (8 mil)	0.20 mm (200 micron)	0.95 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.

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