

# DuPont™ Cyrel® EASY ESM

**Built-In Flat Top Dot, High Ink Transfer Digital Plate**



DuPont™ Cyrel® EASY ESM

[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](#).

DuPont™ Cyrel® EASY Plates: Color complexity, workflow simplicity.

**DuPont™ Cyrel® EASY ESM is the built-in flat top dot, solvent processed plate designed for paper substrate printing with excellent ink transfer capability on both coated and uncoated paper. Cyrel® EASY ESM has a smooth surface which is ideally suited for the micro-screening of solids, exceptionally high solid ink density transfer and low dot gain.**

## DuPont™ Cyrel® EASY ESM

### Applications

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

- High exposure resolution that yields better quality reproduction
- Exceptional exposure latitude
- Excellent thickness uniformity
- Less make-ready time

### Printing Ink and Solvent Compatibility

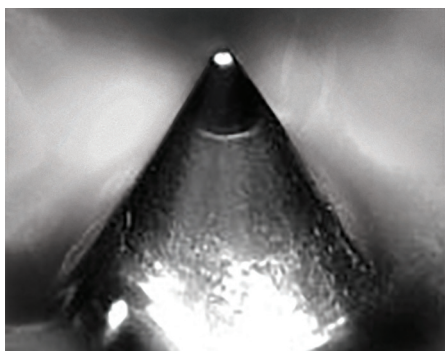
Cyrel® EASY ESM offers excellent compatibility with solvent-based, water-based inks and UV inks.

### Product Features

- Built-in flat top dot maximizes ink transfer and printing durability
- Simplified workflow results in higher consistency
- Excellent ink transfer permits improved solid ink density and reduced mottling
- Wide substrate printing latitude to allow delivery of high quality printing on both coated and uncoated paper

### Process of Use

Expose the plate through the back to establish the floor and maximize sensitivity. Back exposure varies according to the 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® solvent processor to remove unexposed polymer. Finish the plate in a light finisher to eliminate surface tackiness.



Cyrel® EASY with Built-In Flat Top Dot

# DuPont™ Cyrel® EASY ESM

## Built-In Flat Top Dot, High Ink Transfer Digital Plate

### Mounting

Microdot mounting devices are recommended for mounting Cyrel® EASY ESM 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 away from direct sources of heat (4-32° C, 40-90° F). Humidity control is not required. Cyrel® EASY ESM 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 ESM 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. Detailed guidelines for handling and storage are available through your sales representative.

[www.cyrel.com/ap](http://www.cyrel.com/ap)

Technical Data				
	Cyrel® EASY ESM 45 Thickness 0.045 inch/1.14 mm	Cyrel® EASY ESM 67 Thickness 0.067 inch/1.70 mm	Cyrel® EASY ESM 100 Thickness 0.10 inch/2.54 mm	Cyrel® EASY ESM 112 Thickness 0.112 inch/2.84 mm
Durometer	71 Sh A	63 Sh A	56 Sh A	55 Sh A
Image Reproduction	1-98% @ 190 LPI - 75 L/cm	1-98% @ 190 LPI - 75 L/cm	1-98% @ 137 LPI - 54 L/cm	1-98% @ 137 LPI - 54 L/cm
Minimum Positive Line Width	0.10 mm (4 mil)	0.10 mm (4 mil)	0.10 mm (4 mil)	0.10 mm (4 mil)
Minimum Isolated Dot Size	0.10 mm (100 micron)	0.10 mm (100 micron)	0.15 mm (150 micron)	0.15 mm (150 micron)
Max. Relief Depth	0.60 mm (0.024")	0.70 mm (0.028")	0.90 mm (0.035")	0.90 mm (0.035")

For more information on DuPont™ Cyrel® or other DuPont Advanced Printing products, please contact your local representative.

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