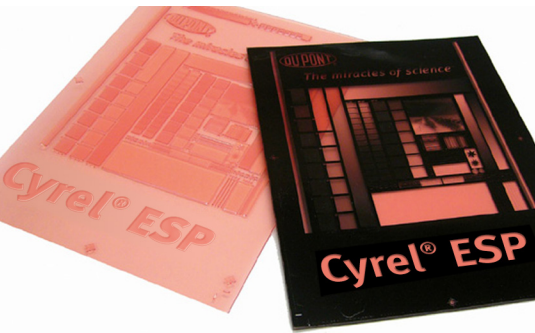


DuPont™ Cyrel® EASY ESP

Built-in flat top dot digital plate with an engineered surface



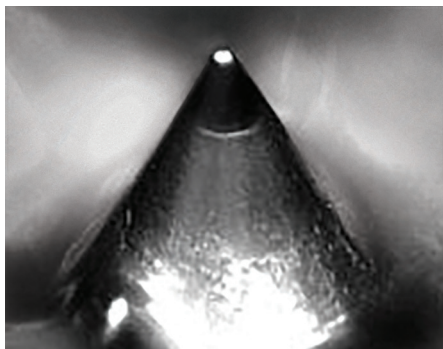
[DuPont Advanced Printing](#) brings together leading technologies and products for the printing and package printing industries. DuPont™ Cyrel® is one of the world's leading flexographic platemaking systems in digital and conventional formats, including [DuPont™ Cyrel®](#) brand photopolymer plates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

DuPont™ Cyrel® Systems: Higher quality at high speed.

DuPont™ Cyrel® EASY ESP is the built-in flat top dot digital plate designed specifically for flexible packaging. Cyrel® EASY ESP has an engineered surface for higher solid ink density without micro-screening.

DuPont™ Cyrel® EASY ESP

DuPont™ Cyrel® EASY ESP



Cyrel® EASY with Built-In Flat Top Dot

Applications

- Flexible packaging
- Tag and Label

Product Features and Benefits

- 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.
- No compromise between better solids and better highlights.
- Recommended for printing on smooth surfaces and film substrates.
- No micro-screening needed, allowing for higher Cyrel® Digital Imager (CDI) productivity.

- The EASY ESP's standardised, engineered surface allows higher solid ink density and lower graininess.
- The simplified workflow reduces errors in the exposure/laminate step.

Printing Ink and Solvent Compatibility

Cyrel® EASY ESP plates offer excellent compatibility with solvent-based, water-based inks 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.



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Mounting

DuPont™ Cyrel® Microflex mounting devices are recommended for mounting Cyrel® EASY ESP 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 ESP 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 ESP 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 a compatible solvent before storing. They may be stored on cylinders, sleeves or demounted and stored flat.

Technical Data		
	Cyrel® EASY ESP 45 Thickness 0.045 inch/1.14 mm	Cyrel® EASY ESP 67 Thickness 0.067 inch/1.70 mm
Durometer	76-78 Sh A	70-72 Sh A
Image Reproduction	1-98% 190 lpi 75 l/cm	1-98% 190 lpi 75 l/cm
Minimum Positive Line Width	0.10 mm (4 mil)	0.10 mm (4 mil)
Minimum Isolated Dot Size	150 micron (0.15 mm)	150 micron (0.15 mm)
Relief Depth	Max. 0.60 mm	Max. 0.70 mm

For more information on DuPont™ Cyrel® or other DuPont Packaging Graphics products, please contact your local representative. Some contact information may have changed, for the most current information [CLICK HERE](#).

DuPont China Holding Co., LTD – Shanghai

Bldg 11, 399 Keyuan Road,
Zhangjiang Hi-Tech Park,
Pudong New District,
Shanghai 201203 China
Tel: (86) 21 3862 2888

DuPont Malaysia Sdn Bhd

Level 7, Menara CIMB, Jalan Stesen Sentral 2,
Kuala Lumpur Sentral,
50490 Kuala Lumpur, Malaysia
Tel: (60) 3 2859 0700

DuPont K.K. – Japan

Sanno Park Tower, 11-1,
Nagata-cho 2-chrome,
Chiyoda-ku, Tokyo 100-6111, Japan
Tel: (81) 3 5521 8520

DuPont Australia, LTD

Level 2, 785 Toorak Road,
Hawthorn East, 3123,
Victoria, Australia
Tel: (61) 3 9935 5699

E.I. DuPont India Private Limited

E.I. DuPont India Private Limited
81,82,83, 8th floor, 2 North Avenue
Maker Maxity, Bandra Kurla Complex
Bandra (East)
Mumbai 400 051
Tel: (91) 22 40716000

www.cyrel.com/ap