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 (analog 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.

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 standardized, 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 maximize 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**

<table>
<thead>
<tr>
<th></th>
<th>Cyrel® EASY ESP 45 Thickness 0.045 inch/1.14 mm</th>
<th>Cyrel® EASY ESP 67 Thickness 0.067 inch/1.70 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Durometer</td>
<td>76-78 Sh A</td>
<td>70-72 Sh A</td>
</tr>
<tr>
<td>Image Reproduction</td>
<td>1-98% 190 lpi 75 l/cm</td>
<td>1-98% 190 lpi 75 l/cm</td>
</tr>
<tr>
<td>Minimum Positive Line Width</td>
<td>0.10 mm (4 mil)</td>
<td>0.10 mm (4 mil)</td>
</tr>
<tr>
<td>Minimum Isolated Dot Size</td>
<td>150 micron (0.15 mm)</td>
<td>150 micron (0.15 mm)</td>
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<tr>
<td>Relief Depth</td>
<td>Max. 0.60 mm</td>
<td>Max. 0.70 mm</td>
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**For more information on DuPont™ Cyrel® or other DuPont Packaging Graphics products, please contact your local representative:**

**United States**

DuPont Packaging Graphics
Chestnut Run Plaza, Bldg. 702
974 Centre Road
Wilmington, DE 19805
800-345-9999

**Canada**

DuPont Packaging Graphics
1919 Minnesota Court
Mississauga, ON L5N 0C9
Canada
905-816-3238

www.cyrel.com/na