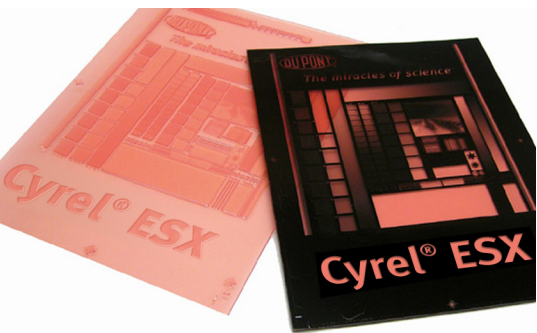
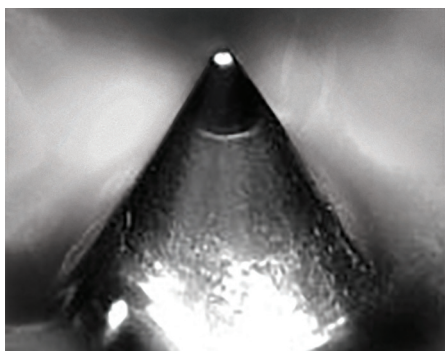


DuPont™ Cyrel® EASY ESX

Built-in flat top dot digital plate for high quality printing



DuPont™ Cyrel® EASY ESX



Cyrel® EASY with Built-In Flat Top Dot

[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 ESX is the built-in flat top dot digital plate designed for the highest quality printing of halftones, linework and solids. Cyrel® EASY ESX has a smooth surface ideally suited for the micro-screening of solids.

DuPont™ Cyrel® EASY ESX

Applications

- Flexible packaging
- Tag and Label
- Folding cartons
- Beverage cartons

Product Features and Benefits

- 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 ESX's smooth surface is perfect for special print effects based upon micro-screening.
- The simplified workflow reduces errors in the exposure/laminate step.

Printing Ink and Solvent Compatibility

Cyrel® EASY ESX 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 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.

Mounting

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

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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 ESX 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 ESX 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 ESX 45 Thickness 1.14 mm/0.045 inch | Cyrel® EASY ESX 67 Thickness 1.70 mm/0.067 inch | Cyrel® EASY ESX 100 Thickness 2.54 mm/0.10 inch | Cyrel® EASY ESX 112 Thickness 2.84 mm/0.112 inch |
|-----------------------------|---|---|---|--|
| Durometer | 74-76 Sh A | 65-67 Sh A | 58-60 Sh A | 53-55 Sh A |
| Image Reproduction | 1-98% @ 190 LPI - 75 L/cm | 1-98% @ 190 LPI - 75 L/cm | 1-98% @ 190 LPI - 75 L/cm | 1-98% @ 150 LPI - 60 L/cm |
| Minimum Positive Line Width | 0.10 mm (4 mil) | 0.10 mm (4 mil) | 0.10 mm (4 mil) | 0.20 mm (8 mil) |
| Minimum Isolated Dot Size | 0.15 mm (150 micron) | 0.15 mm (150 micron) | 0.15 mm (150 micron) | 0.20 mm (200 micron) |
| Max. Relief Depth | 0.60 mm | 0.70 mm | 0.90 mm | 0.95 mm |

www.cyrel.eu

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

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