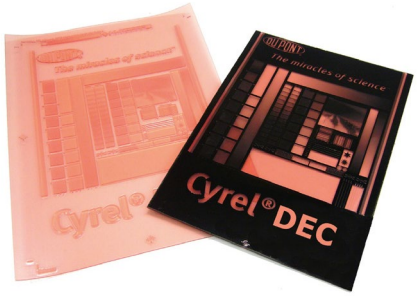
DuPont™ Cyrel® DEC

The Robust All-Purpose Plate for the Corrugated Market



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DuPont Packaging Graphics continues to be a global technology leader in the development and supply of flexographic printing systems. Our R&D team continues to develop innovative new solutions to help our customers expand their business by taking advantage of new and profitable opportunities in the growing flexographic packaging market. The DuPont Packaging Graphics portfolio of products includes 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® DEC is a soft digital plate for corrugated board applications withstanding even demanding requirements.

DuPont™ Cyrel® DEC

Applications

- Corrugated post-print
- Sacks
- Rough paper surfaces

Product Features

- Excellent ink transfer permits superior printing uniformity
- High exposure resolution results in better quality reproduction
- Image relief is clean and sharp
- Exceptional exposure latitude allows single exposure without masking
- Excellent thickness uniformity
- Less make ready time
- High resistance to ozone and white light results in excellent storage capability

Printing Ink and Solvent Compatibility

Cyrel® DEC offers excellent compatibility with water-based 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 a Cyrel® Digital Imager (CDI). Expose the front of the plate surface. Process the plate in a Cyrel® solvent processor to remove unexposed polymer. Finish the plate in a light finisher to eliminate surface tackiness.

Mounting

Cyrel® DEC is perfectly fit to be mounted either on a polyester mounting film or in combination with a compressible foam, especially Cyrel® CyCOMP.

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Handling – Raw Material

Cyrel® DEC 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® DEC 112 Thickness 2.84 mm / 0.112 inch	**Cyrel® DEC 125 Thickness 3.18 mm / 0.125 inch**	**Cyrel® DEC 155 Thickness 3.94 mm / 0.155 inch**	**Cyrel® DEC 170 Thickness 4.32 mm / 0.170 inch**	**Cyrel® DEC 185 Thickness 4.70 mm / 0.185 inch**
Durometer	38 Sh A	37 Sh A	36 Sh A	36 Sh A	36 Sh A
Image Reproduction	3-95% / 42 L/cm	3-95% / 42 L/cm	3-95% / 36 L/cm	3-95% / 28 L/cm	3-95% / 28 L/cm
Minimum Positive Line Width	7 mil / 0.175 mm	7 mil / 0.175 mm	12 mil / 0.300 mm	12 mil / 0.300 mm	14 mil / 0.350 mm
Minimum Isolated Dot	500 µm	500 µm	500 µm	500 µm	500 µm
Relief Depth	1.00-1.20 mm / 0.039-0.047 inch	1.00-1.20 mm / 0.039-0.047 inch	1.50-2.00 mm / 0.059-0.079 inch	1.50-2.00 mm / 0.059-0.079 inch	Max 2.50 mm / 0.098 inch
	Cyrel® DEC 197 Thickness 5.00 mm / 0.197 inch	**Cyrel® DEC 217 Thickness 5.51 mm / 0.217 inch**	**Cyrel® DEC 237 Thickness 6.02 mm / 0.237 inch**	**Cyrel® DEC 250 Thickness 6.35 mm / 0.250 inch**	
Durometer	36 Sh A	36 Sh A	36 Sh A	36 Sh A	
Image Reproduction	3-95% / 28 L/cm	3-95% / 28 L/cm	3-95% / 28 L/cm	3-95% / 28 L/cm	
Minimum Positive Line Width	14 mil / 0.350 mm	14 mil / 0.350 mm	14 mil / 0.350 mm	14 mil / 0.350 mm	
Minimum Isolated Dot	500 µm	500 µm	500 µm	500 µm	
Relief Depth	Max 2.50 mm / 0.098 inch	Max 2.50 mm / 0.098 inch	Max 2.50 mm / 0.098 inch	Max 2.50 mm / 0.098 inch	

For more information on DuPont™ Cyrel® or other DuPont Packaging Graphics products, please contact your local representative:

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