



DuPont™ Cyrel® DEC

The Robust All-Purpose Plate for the Corrugated Market



DuPont™ Cyrel® DEC

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.

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 125 Thickness 3,18 mm / 0,125"	Cyrel® DEC 155 Thickness 3,94 mm / 0,155"	Cyrel® DEC 170 Thickness 4,32 mm / 0,170"
Durometer	37 Sh A	36 Sh A	36 Sh A
Image Reproduction	3–95% / 42 L/cm	3–95% / 36 L/cm	3–95% / 28 L/cm
Minimum Positive Line Width	0,175 mm / 7 mil	0,300 mm / 12 mil	0,300 mm / 12 mil
Minimum Isolated Dot	500 µm	500 µm	500 µm
Relief Depth	1,00–1,20 mm / 0,039–0,047"	1,50–2,00 mm / 0,059–0,079"	1,50–2,00 mm / 0,059–0,079"

	Cyrel® DEC 185 Thickness 4,70 mm / 0,185"	Cyrel® DEC 217 Thickness 5,51 mm / 0,217"	Cyrel® DEC 250 Thickness 6,35 mm / 0,250"
Durometer	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
Minimum Positive Line Width	0,350 mm / 14 mil	0,350 mm / 14 mil	0,350 mm / 14 mil
Minimum Isolated Dot	500 µm	500 µm	500 µm
Relief Depth	Max. 2,50 mm / 0,098"	Max. 2,50 mm / 0,098"	Max. 2,50 mm / 0,098"

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

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