

DuPont™ Cyrel® DEC

THE ROBUST ALL-PURPOSE PLATE FOR THE CORRUGATED MARKET

DuPont Packaging Graphics

To help our customers gain competitive advantage in the global packaging graphics value chain.

DuPont Packaging Graphics continues to be a global technology leader in supplying flexographic printing systems. Our scientists continue to develop unique solutions based on new technologies to help our customers expand their business by taking advantage of new profitable packaging printing opportunities.

DuPont Packaging Graphics portfolio of products includes Cyrel® brand photopolymer plates (analogue and digital), Cyrel® plate-making equipment, Cyrel® round sleeves, Cyrel® plate mounting systems and the revolutionary Cyrel® FAST thermal system.

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



DuPont™ Cyrel® DEC

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 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

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

Storage – Raw Material

Store unexposed plates in a cool area (4-32° C), away from direct sources of heat. Humidity control is not required. Cyrel® DEC 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.

DuPont™ Cyrel®



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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 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 inch	Cyrel® DEC 155 Thickness 3.94 mm/ 0.155 inch	Cyrel® DEC 170 Thickness 4.32 mm/ 0.170 inch
Durometer	38 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	0.250 mm / 7 mil	0.300 mm/ 12 mil
Minimum isolated dot size	500 µm	500 µm	500 µm
Relief Depth	1.00 mm / 0.059 inch	1.50 mm / 0.079 inch	2.00 mm/ 0.079 inch

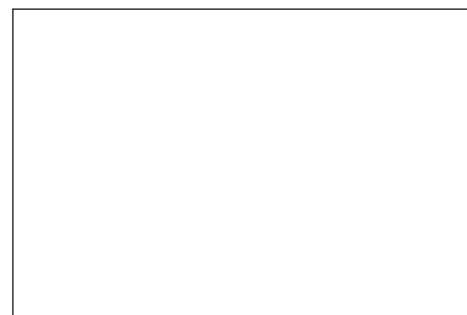
	Cyrel® DEC 185 Thickness 4.70 mm/ 0.185 inch	Cyrel® DEC 217 Thickness 5.51 mm/ 0.217 inch	Cyrel® DEC 250 Thickness 6.35 mm/ 0.250 inch
Durometer	36 Sh A	36 Sh A	34 Sh A
Image Reproduction	3 – 95% / 28 L/cm	3 – 95% / 28 L/cm	3 – 95% / 28 L/cm
Minimum positive line width	0.350 mm / 14 mil	0.350 mm / 14 mil	0.350 mm / 14 mil
Minimum isolated dot size	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

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To learn more, visit www.cyrel.co.uk
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“Advancing Flexography”