DuPont™ Cyrel® DVS

Solvent Process Digital Plate for Varnishing

Applications

- Aqueous coating
- UV-Lacquer
- Metallic ink
- DuPont™ Iriodin® pigmented ink

The DuPont™ Cyrel® DVS plates are ideal for varnishing and special effect ink and coatings applications. These photopolymer plates offer high quality print finishing on folding cartons, such as food packaging, cigarettes, cosmetics, etc. They are also used in commercial printing for spot coating of catalogs, calendars, books and brochures.

Product Features and Benefits

- Excellent coating and ink transfer permits superior coating
- High resolution and exact register results in fine detail and complex forms can be spot coated and printed in the coating tower
- High durability for long print runs
- Image relief is clean and sharp
- Can be used again and again without any loss of registration

Printing Ink and Solvent Compatibility

Cyrel® DVS plates offer excellent compatibility with UV-lacquers and water-based inks. The enforced polyester base will maintain accurate registration even with large plates.

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® Microflex mounting devices are recommended for mounting Cyrel® DVS 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® DVS 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® DVS plates should be handled under UV free light; e.g. fluorescent tubes covered with amber sleeves.

DuPont™ Cyrel® DVS

Solvent Process Digital Plate for Varnishing

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

	Thickness	Durometer	Image Reproduction	Min. Positive Line Width	Min. Isolated Dot Size	Relief Depth	Processing
Cyrel® DVS	1.14 mm/0.045"	73 Sh A	1–98% / 60 L/cm	0.050 mm / 2 mil	200 µm	0.55 mm / 0.022"	Solvent / Digital

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.com/na

For more information on DuPont™ Cyrel® or other DuPont products, please visit our website.

PDS-NA0040-EN (10/20)