

DuPont™ Cyrel® DVS

Solvent Process Digital Plate for Varnishing



DuPont™ Cyrel® DVS

[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.

The DuPont™ Cyrel® DVS plates are ideal for varnishing and special effect ink and coatings applications.

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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 catalogues, calendars, books and brochures.

Cyrel® DVS plates can be used for inline and offline coating of:

- Aqueous coating
- UV-Lacquer
- Metallic ink

Product Features

- 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.

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.

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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.

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® DVS Thickness 1,14 mm / 0,045 inch
Durometer	73 Sh A
Image Reproduction	1–98% / 60 L/cm
Minimum Positive Line Width	0,050 mm / 2 mil
Minimum Isolated Dot Size	200 µm
Relief Depth	0,55 mm / 0,022 inch
Processing	Solvent / Digital

www.cyrel.eu

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

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