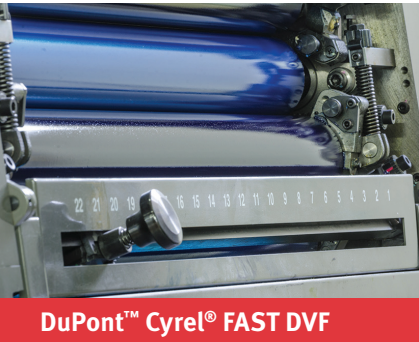


DuPont™ Cyrel® FAST DVF

Thermal Process Digital Plate for Varnishing



[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® DVF plates are ideal for varnishing and special effect ink and coatings applications.

DuPont™ Cyrel® FAST DVF

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

Platemaking

The Cyrel® FAST thermal developer allows the production of Cyrel® FAST finished plates in less than one hour, making it the ideal just-in-time platemaking system for a market that demands quick turnaround at the highest possible quality. The Cyrel® FAST thermal developer delivers outstanding plate quality and uniformity. This processor has the ability to produce a finished plate without solvent washout. The Cyrel® ECLF for exposing and light finishing plates is available to complement the Cyrel® FAST thermal developer.

Process of Use

DuPont™ Cyrel® DVF is designed to work with Cyrel® FAST thermal platemaking processors. Expose the plate through the back to establish the floor and activate the plate. 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 light finisher to eliminate surface tackiness. Post-expose the plate to ensure complete polymerisation.

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® DVF 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.

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Continuous exposure to very high ozone concentrations should be avoided.

Handling – Raw Material

Like all photopolymer plates, Cyrel® DVF 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® DVF 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	Thermal / 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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