

DuPont™ Cyrel® TCP

CYREL® TCP IS DUPONT'S ECONOMICAL ANALOGUE PRINTING PLATE FOR THE CORRUGATED BOARD INDUSTRY

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® platemaking equipment, Cyrel® round sleeves, Cyrel® plate mounting systems and the revolutionary Cyrel® FAST thermal system.

Cyrel® TCP is the robust plate for printing line work & solids on any corrugated board substrate.

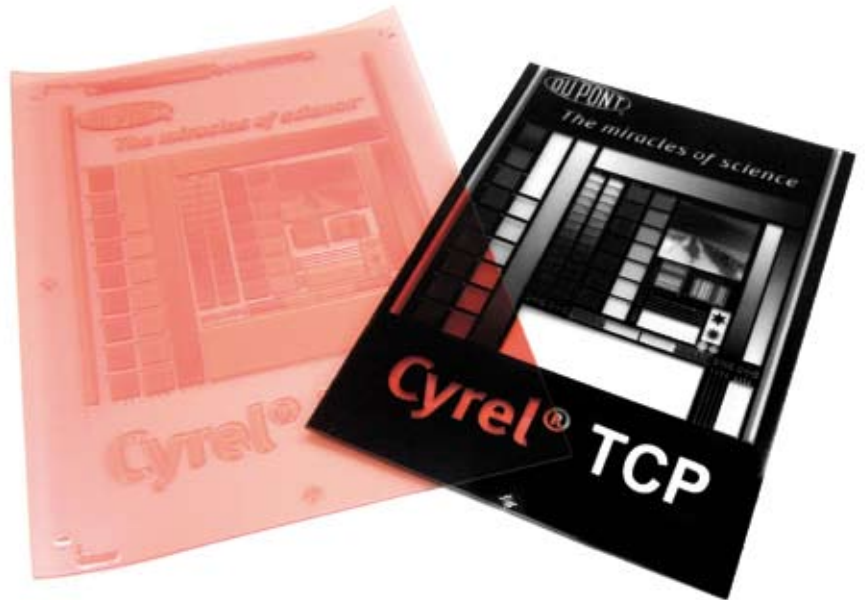
Applications

Cyrel® TCP is used for line work, solid printing and limited halftone printing on all kinds of corrugated board substrates from coarse C- to fine E- and F-flutings.

- Corrugated board
- Paper substrates

Product Features

- Good plate making latitude – no masking necessary
- Shore hardness adapted to use with different board flutings



DuPont™ Cyrel® TCP

Printing ink and solvent compatibility

Cyrel® TCP 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 expose the front of the plate. Process the plate in the Cyrel® plate processor. Finish 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), away from direct sources of heat. Humidity control is not required. Cyrel® TCP 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

Cyrel® TCP plates should be handled under UV free light; e.g. fluorescent tubes covered with amber sleeves.



The miracles of science™

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.

Availability

Cyrel® TCP is available in thickness 125, 155, 170, 185, 197, 217 237 and 250 inches.

Formats available are 42 x 60 inches (106.7 x 152.4cm) and 52 x 80 inches (132.0 x 203.2 cm).

Technical Data				
	Cyrel® TCP 125 Thickness 3.18 mm/ 0.125 inch	Cyrel® TCP 155 Thickness 3.94 mm/ 0.155 inch	Cyrel® TCP 170 Thickness 4.32 mm – 0.170 inch	Cyrel® TCP 185 Thickness 4.70 mm/ 0.185 inch
Durometer	38 Sh A	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	3 – 95% / 28 L/cm
Minimum positive line width	0.175 mm/ 7 mil	0.35 mm/ 14 mil	0.35 mm/ 14 mil	0.35 mm/ 14 mil
Minimum isolated dot size	250 µm	500 µm	500 µm	500 µm
Relief Depth	1.0 – 1.5 mm/ 0.039 – 0.059 inch	1.5 – 2.0 mm/ 0.059 – 0.079 inch	1.5 – 2.0 mm/ 0.059 – 0.079 inch	1.5 – 2.5 mm/ 0.059 – 0.098 inch

	Cyrel® TCP 197 Thickness 5.00 mm/ 0.197 inch	Cyrel® TCP 217 Thickness 5.51 mm/ 0.217 inch	Cyrel® TCP 237 Thickness 6.02 mm/ 0.237 inch	Cyrel® TCP 250 Thickness 6.35 mm/ 0.250 inch
Durometer	36 Sh A	35 Sh A	35 Sh A	34 Sh A
Image Reproduction	3 – 95% / 28 L/cm	3 – 95% / 28 L/cm	3 – 95% / 28 L/cm	3 – 95% / 28 L/cm
Minimum positive line width	0.35 mm/ 14 mil	0.35 mm/ 14 mil	0.35 mm/ 14 mil	0.35 mm/ 14 mil
Minimum isolated dot size	500 µm	500 µm	500 µm	500 µm
Relief Depth	2.5 mm – 0.098 inch	2.5 mm – 0.098 inch	2.5 mm – 0.098 inch	2.5 mm – 0.098 inch

All technical information set out herein is provided free of charge and is based on technical data, which DuPont believes to be reliable. It is intended for use by persons having skill, at their own discretion and risk. The handling precaution information contained herein is given with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards. Since conditions of product use are outside of our control we make no warranties express or implied in relation thereto and therefore cannot accept any liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe any patents.

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To learn more, visit www.packaging-graphics.dupont.com

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