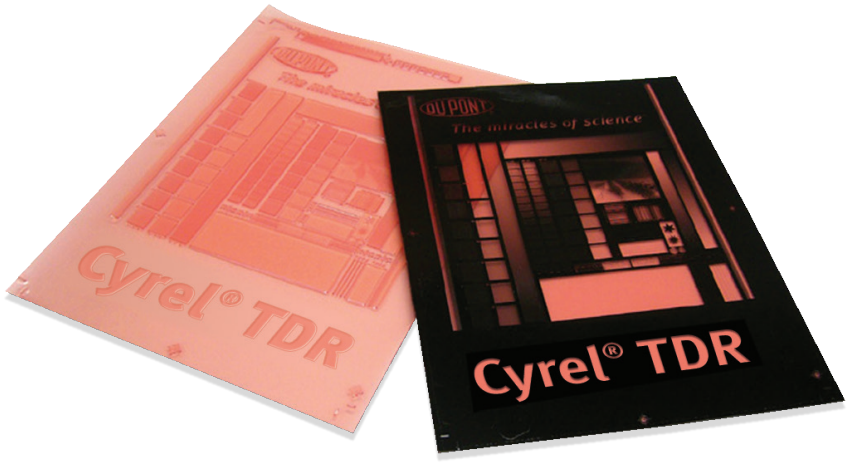
# DuPont™ Cyrel® TDR

Premium Analogue Printing Plate for the Corrugated Board Industry

## Applications

- Corrugated board
- Paper




**Cyrel® TDR with its tailored characteristics combines low dot gain and strong solids on any corrugated substrate. It shows least wash boarding effects even on B and coarse flutings like C-fluting. Cyrel® TDR offers easy plate making and trouble free press runs. It can be used by any printer or tradeshop seeking the best possible printing quality on corrugated substrates as well as other paper substrates printed with water-based inks.**

## Product Features and Benefits

- High plate making and press latitude – success under many conditions.
- Adapted shore hardness and resilience lead to the least wash boarding effect
- Good resistance towards mechanical impacts
- Requires minimum impression settings, giving good balance between solids and screens

## Printing Ink and Solvent Compatibility

Cyrel® TDR 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 ploymerisation.

## 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® TDR 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® TDR 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.

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## Technical Data

| | Thickness | Durometer | Image Reproduction | Min. Positive Line Width | Min. Isolated Dot Size | Relief Depth |
|---|---|---|---|---|---|---|
| **Cyrel® TDR 112** | 2.84 mm / 0.112" | 38 Sh A | 3 – 95% / 42 L/cm | 0.175 mm / 7 mil | 250 µm | 1.00 mm / 0.039" |
| **Cyrel® TDR 125** | 3.18 mm / 0.125" | 37 Sh A | 3 – 95% / 42 L/cm | 0.175 mm / 7 mil | 250 µm | 1.0 – 1.5 mm/ 0.039 – 0.059" |
| **Cyrel® TDR 155** | 3.94 mm / 0.155" | 36 Sh A | 3 – 95% / 36 L/cm | 0.35 mm / 14 mil | 500 µm | 1.5 – 2.0 mm / 0.059 – 0.079" |
| **Cyrel® TDR 170** | 4.32 mm / 0.170" | 35 Sh A | 3 – 95% / 28 L/cm | 0.35 mm / 14 mil | 500 µm | 1.5 – 2.0 mm / 0.059 – 0.079" |
| **Cyrel® TDR 185** | 4.70 mm / 0.185" | 35 Sh A | 3 – 95% / 28 L/cm | 0.35 mm / 14 mil | 500 µm | 1.5 – 2.5 mm / 0.059 – 0.098" |
| **Cyrel® TDR 197** | 5.00 mm / 0.197" | 35 Sh A | 3 – 95% / 28 L/cm | 0.35 mm / 14 mil | 500 µm | 2.5 mm / 0.098" |
| **Cyrel® TDR 217** | 5.51 mm / 0.217" | 34 Sh A | 3 – 95% / 28 L/cm | 0.35 mm / 14 mil | 500 µm | 2.5 mm / 0.098" |
| **Cyrel® TDR 237** | 6.02 mm / 0.237" | 34 Sh A | 3 – 95% / 28 L/cm | 0.35 mm / 14 mil | 500 µm | 2.5 mm / 0.098" |
| **Cyrel® TDR 250** | 6.35 mm / 0.250" | 33 Sh A | 3 – 95% / 28 L/cm | 0.35 mm / 14 mil | 500 µm | 2.5 mm / 0.098" |

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.

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