



The Innovative Leader in Corrugated Plastic

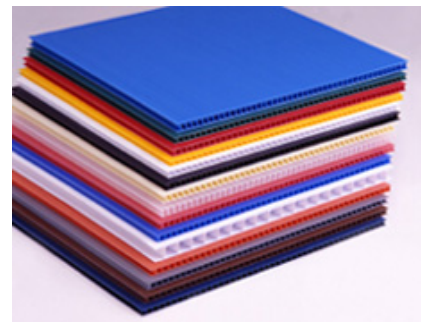
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UNITED STATES
 Phone: 800.666.2241
 Fax: 972.392.2242

Coroplast's main product is corrugated plastic sheet. This plastic sheet is the building material that will serve so many functions, only your imagination is the limit.

CANADA
 Phone: 800.361.5150
 Fax: 450.378.0835

Coroplast comes in a variety of styles, all based upon the Coroplast high quality corrugated plastic sheet. Our standard sheet has been treated to allow for excellent adhesion quality to aid in printing for the graphics arts fields. It is also extremely durable because of its waterproof and resistance to stains and most chemicals.

The name Coroplast[®] applies to a wide range of extruded twinwall plastic sheet products produced from a high impact polypropylene copolymer. Coroplast uses a copolymer resin in order to increase impact and low temperature performance. Chemically, the sheet is inert, with a NIL pH factor. At regular temperatures most oils, solvents and water have no effect, allowing it to perform under adverse weather conditions or as a product component exposed to harsh chemicals.

All Coroplast twinwall profile sheets can be modified with additives, which are melt-blended into the sheet to meet the specific needs of the customer. Special products that require additives include: ultra violet protection, anti-stat, flame retardant, custom colors, corrosive inhibitors, static-dissipative, etc.

Coroplast products are offered in a wide range of standard and opaque colors. The sheet is extruded in widths across the corrugation up to 106" (corona treated to 102") with gauges ranging from 2mm to 10mm in thickness. We have co-extrusion capabilities for 3MM to 6MM on our 60" line in Dallas and 2MM to 10MM on our 104" line in Vanceburg.

We offer added value services for our customers such as Cad drawings and sample cutting, die cutting, screen-printing, sonic and hot air welding. These services require custom quotes.

Graphics

The Coroplast[™] name is known throughout the Sign Industry for a Consistent High Quality Printable Surface. This reputation allows Coroplast[™] the recognition of being the material supplied through the largest number of Plastics and Sign Supply Distributors in North America.



Packaging

As a Packaging Material, Coroplast[™] is unmatched in durability, design versatility and reusability. No product offers the benefits of Coroplast[™] for constructing custom plastic containers and packaging. Where parts protection is essential and cost reduction imperative, the durability Coroplast[™] offers is unequalled. When examining the cost of procuring and the consequent disposal associated with expendable packaging, Coroplast[™] is the ideal solution for the environment and the cost conscious manager.



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For the Graphics Arts Fields Coroplast makes the industry leading corrugated sheet plastic, COROPLAST™. Insist on the real thing, accept no substitute.

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COROPLAST™ is the material of choice for today's screen printing industry. COROPLAST™ is ideal for indoor and outdoor applications. It is tougher than corrugated fiberboard and lighter than extruded plastic sheet. It is waterproof, stain-resistant.

Graphic houses have been using COROPLAST™ successfully for years with some of the uses being: Retail Signs, Real Estate Signs, Political Signs, P.O.P. Displays, Bus and Truck Signage, Election Signs, Yard Signs, Agricultural Signage, Special Event Advertising and Trade Displays.

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All Coroplast sheets for screen printing have been electrostatically double treated by "CORONA DISCHARGE" surface treatment on both sides to allow specifically formulated inks to adhere. These inks react with the surface to provide a cross-linked chemical bond; in effect becoming part of the sheet. Corona treatment will deteriorate slightly over long periods of time, but sheets more than two years old have been successfully printed.

1. We recommend that ink tests on Coroplast plastic be carried out before the actual production run to ensure proper adhesion and drying procedures.
2. Because Coroplast is non absorbent, it is necessary to lay down a minimum film thickness of ink in order to expedite the drying and increase the speed of production. For this reason the finest mesh suitable for the type of job being printed should be chosen.
3. Direct emulsion screens or indirect photo-films are recommended on a fine monofilament fabric (i.e., 190 to 305 mesh). This combination will contribute to both a thin film print for optimum drying and also maximum usage of the ink.
4. Squeegee pressure should be normal and the squeegee itself should be sharp when printing broad areas to help compensate for the fluted surface of the Coroplast. When printing film halftones or transparencies, the squeegee should be medium to sharp.
5. Use only the recommended solvents for the inks you are printing. The use of other solvents not compatible with the ink formula can create printing and adhesion difficulties. Many solvents are hygroscopic - they pick up moisture. Water in the solvent can cause "fish eyes" on the finished print or other adhesion problems.
6. Coroplast is a rigid sheet and can best be printed on flat bed types or semi-automatic or automatic presses.
7. When force drying in conventional screen jet-driers, temperatures should not exceed 100 degrees F (43 degrees C). Higher temperatures will tend to warp or distort the Coroplast sheet.
8. Inks should be printed at a viscosity slightly higher than would normally be used for printing paper stocks. Approximately a 10% reduction is a good starting point. If the ink is too thin it will tend to spread in the flutes and will affect the normal sharp printing qualities of the ink.
9. The use of compatible halftone base is suggested when printing fine halftones or transparencies. This is a heavy bodied clear which adds to the printing properties of the ink when extended for fine detail printing. Halftones finer than 65 line are not generally recommended on Coroplast and a test is recommended if this becomes necessary.
10. Although Coroplast can be pulled from any direction, for best results we recommend that you pull in the flute direction.

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NOTE: For additional technical support contact your ink and equipment manufacturer.

Receiving & Storage of Coroplast Plastic Sheets

Coroplast uses state of the art packaging techniques: however, we recommend that...

- Coroplast sheets shipped in the winter may arrive chilled through to the center. Please allow time for the sheets to warm to room temperature before printing or die-cutting. Condensation on cold sheets in a warm room will cause ink adhesion problems.
- Upon receipt of a shipment, all pallets should have the straps cut and removed.
- Coroplast sheets should be covered with a poly film while in the warehouse.
- NEVER store Coroplast sheets on their edges. Always store Coroplast sheets flat.
- NEVER place a large size pallet of Coroplast on top of a smaller size pallet of Coroplast. When stacking one pallet on top of another, use a 3/4" plywood or pressboard sheet between the two pallets. This protective divider sheet must be the full size of the pallet.
- Avoid storing Coroplast near exterior vents, hot pipes, sprinklers or heating ducts, or directly in front of a forced heat fan.
- The top and bottom sheets on all pallets are dunnage sheets and not counted as part of your order. Please do not try to use these.

Don't be fooled by look-alikes!

Appearances can be deceiving; however, the proof is in the performance. There are no substitutes for Coroplast. When you need corrugated plastic, ask for the real thing - **Coroplast!**

For additional Technical information contact Coroplast.