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## BOARD & CARTON GLOSSARY (June 2008)

**Board** (of [www.paperonline.org](http://www.paperonline.org) )

Generic term for stiff paper usually made in several layers with a substance normally varying from 160 to 500/g/m<sup>2</sup>, for certain grades even higher; widely used for packaging (e.g. folding cartons) and graphic applications

**Box** (Of PaperBoard Packaging Council [www.ppcnet.org](http://www.ppcnet.org) )

(1) A term describing unit container made from (a) non-bending grades of paperboard, i.e., set-up box; or (b) shipping container containerboard grades of corrugated or solid fiber, i.e., corrugated or solid fiber boxes. (2) The term used to distinguish set-up, corrugated or solid fiber unit containers from cartons made from bending grades of paperboard.

**Boxboard** (Of PaperBoard Packaging Council [www.ppcnet.org](http://www.ppcnet.org) )

A term used to describe bending and non-bending grades of the fibrous material used in the manufacture of folding cartons, set-up boxes, fiber cans and the like. In the folding carton industry this term is used interchangeably with the terms "board," "paperboard," or "folding boxboard." (See Paperboard)

**Box Board** (of [www.paperindex.com](http://www.paperindex.com) )

Paperboard used in the manufacture of boxes. May be made of wood pulp or wastepaper. May be plain, lined or clay coated

**Box Enamel Paper** (of [www.paperindex.com](http://www.paperindex.com) )

A glossy coated paper used to cover paper boxes.

**Box Liners** (of [www.paperindex.com](http://www.paperindex.com) )

A coated paper used on the inside of boxes, which are used for food.

**Box Paper** (of [www.paperindex.com](http://www.paperindex.com) )

Plain or coated papers usually colored and embossed.

**Cardboard** (of [www.paperindex.com](http://www.paperindex.com) )

Cardboard A thick, stiff paper produced by pasting multiple layers of paper together.

**Carton** (Of PaperBoard Packaging Council [www.ppcnet.org](http://www.ppcnet.org) )

A unit container made from bending grades of boxboard. It is a shortened term for "folding carton," the preferred designation for folding boxes, folding paper boxes and folding paperboard boxes. The word carton does not refer to set-up boxes, corrugated or solid fiber shipping containers.

**Carton** (of [www.paperindex.com](http://www.paperindex.com) )

A container usually of relatively thin carton or folding board manufactured by carton manufacturers. It is delivered to users in either flat or collapsed form.

**Containerboard** (Of PaperBoard Packaging Council [www.ppcnet.org](http://www.ppcnet.org) )

A general term applied to both solid fiberboard and corrugated fiberboard which are used in the manufacture of shipping containers. Containerboard grades include medium and linerboard.

**Contour Packaging** (Of PaperBoard Packaging Council [www.ppcnet.org](http://www.ppcnet.org) )  
(a.k.a. skin packaging) The overwrapping or covering of an irregular-shaped object with a flexible film applied in connection with a paperboard base. The air surrounding the product is exhausted, thus causing the film to fit or cling closely to all parts of the packaged item.

**Converter** (Of PaperBoard Packaging Council [www.ppcnet.org](http://www.ppcnet.org) )  
A manufacturer who fabricates folding cartons from boxboard and other packaging materials. In general can refer to any manufacturer who fabricates packaging materials from various unfinished, raw materials.

**Corrugated Board** (Of PaperBoard Packaging Council [www.ppcnet.org](http://www.ppcnet.org) )  
A structure made from containerboard grades of paperboard. Corrugated consists of a medium, that has been fluted on a corrugator, to which one (single-face) or two sheets (double-face) of linerboard are attached to create the structure. A double-face corrugated container is referred to as a single-wall container. Corrugated is primarily used for shipping containers. The height of the fluted medium varies and is referred to by a letter. Common flute sizes are A, B, C, E, F, G and N.

**Corrugated board** (of [www.paperonline.org](http://www.paperonline.org) )  
Corrugated board is produced by guiding a paper web, the corrugating medium or fluting, through a slit between two corrugated rolls and pressing it into a waveform through a combination of pressure and heat. In the same machine, an even paper web (facing or liner) is then glued on to this corrugated paper on one or both sides. See "Kraftliner".

**Corrugated Board** (of [www.paperindex.com](http://www.paperindex.com) )  
Corrugated board is manufactured by gluing two flat layers of paper (liner) with a rippled layer of corrugating medium (fluting) in the middle.

**Corrugated Board – Double Wall** (of [www.paperindex.com](http://www.paperindex.com) )  
The structure formed by three flat facings and two intermediate corrugated medium.

**Corrugated Board – Single Face** (of [www.paperindex.com](http://www.paperindex.com) )  
The structure formed by one corrugated member glued to one flat facing.

**Corrugated Board – Single Wall** (of [www.paperindex.com](http://www.paperindex.com) )  
The structure formed by one corrugated inner member glued between two flat facings. It's also known as Double Face.

**Corrugated Cardboard** (of [www.paperindex.com](http://www.paperindex.com) )  
Layers of paper glued together with a ruffled or grooved inner liner. This is the material, which makes corrugated cardboard boxes.

**Corrugated Fiberboard** (of [www.paperindex.com](http://www.paperindex.com) )  
Consists of one or more sheets of fluted paper stuck to a flat sheet(s) of paper.

**Corrugating Medium** (of [www.paperindex.com](http://www.paperindex.com) )  
Paperboard made from chemical and semi-chemical pulp, or waste paper, that is converted to a corrugated board by passing it through corrugating cylinders.

**Corrugating medium** (of [www.paperonline.org](http://www.paperonline.org) )  
Papers used as fluting for the production of corrugated board.

**Duplex board** (of [www.paperonline.org](http://www.paperonline.org) )

Duplex board consists of two layers, mostly made from waste paper pulp. It is used for packaging purposes

**Fiber** (1) (Of PaperBoard Packaging Council [www.ppcnet.org](http://www.ppcnet.org) )

A small thread-like cellulose unit of vegetable growth obtained from plants such as trees, sugar cane, cotton, jute, etc., from which paper and board are made. (2) In packaging, this designates converted paperboard products such as fiberboard, fiber boxes, fiber containers or fiber drums.

**Fiberboard** (Of PaperBoard Packaging Council [www.ppcnet.org](http://www.ppcnet.org) )

The general term indicating boxboard that contains center plies of a different furnish than used for the top and bottom liners.

**Fiberboard** (of [www.paperindex.com](http://www.paperindex.com) )

A type of board made from defibrated wood chips on wet-lap forming machine. Fiberboard is used as a building board.

**Fluting** (of [www.paperindex.com](http://www.paperindex.com) )

The rippled middle layer in corrugated board, produced generally from recycled fiber.

**Folding boxboard** (of [www.paperonline.org](http://www.paperonline.org) )

Single or multilayer paperboard made from primary and/or secondary fibres, sometimes with a coated front, used to make consumer packaging (cartons)

**Folding boxboard** (of [www.paperindex.com](http://www.paperindex.com) )

A multi-layer coated board with an outer layer of Kraft pulp and the middle layer of mechanical pulp. It is used primarily for consumer cartons for packaging of dry and moist foods, cigarettes and other consumer products. Also used in the graphic industry for catalogue covers, postcards and folders, etc.

**Folding Carton** (Of PaperBoard Packaging Council [www.ppcnet.org](http://www.ppcnet.org) )

Generally accepted designation of containers made by bending grades of plain or printed boxboard, cut and creased in a variety of sizes and shapes; delivered to the user in a flat, or glued and collapsed form.

**Kraft** (Of PaperBoard Packaging Council [www.ppcnet.org](http://www.ppcnet.org) )

Paper or paperboard made from virgin pulp produced by the sulfate process. Natural kraft is unbleached and has a characteristic light brown color; bleached kraft is a sheet having a higher brightness rating than natural kraft.

**K.D.F.** (Of PaperBoard Packaging Council [www.ppcnet.org](http://www.ppcnet.org) )

A term used by public carriers in referring to boxes (cartons) other than corrugated when Knocked Down Flat.

**Laminated Board** (Of PaperBoard Packaging Council [www.ppcnet.org](http://www.ppcnet.org) )

A combination of different kinds of boxboards, films, foils, papers or other materials bonded by adhesives in webs or sheets. May also be designated as "lined board."

**Liner** (of [www.paperindex.com](http://www.paperindex.com) )

Packaging board used as a surface layer on corrugated board.

**Linerboard** (of [www.paperindex.com](http://www.paperindex.com) )

The grade of paperboard used for the exterior facings of corrugated board. Used in the manufacture of corrugated and solid fiber shipping containers, linerboard is made predominantly on a Fourdrinier machine. It is used by the packaging industry as a facing material for containers.

**Mini-Flute** (Of PaperBoard Packaging Council [www.ppcnet.org](http://www.ppcnet.org) )

A term used for corrugated boards with small flute heights. These boards can be printed and converted on folding carton equipment with minor modifications. Also referred to as small flute boards, mini-flute boards include E, F, G and N flute.

**Package** (Of PaperBoard Packaging Council [www.ppcnet.org](http://www.ppcnet.org) )

A container that provides protection and identification, and promotes the sale and use of a product.

**Pallet** (Of PaperBoard Packaging Council [www.ppcnet.org](http://www.ppcnet.org) )

A low, portable platform of wood, metal, plastic, or fiberboard which facilitates the handling, storage, and transportation of materials as a unit.

**Panel** (Of PaperBoard Packaging Council [www.ppcnet.org](http://www.ppcnet.org) )

A face, side, top or bottom of a folding carton.

**Paperboard** (Of PaperBoard Packaging Council [www.ppcnet.org](http://www.ppcnet.org) )

A general term descriptive of a sheet of fibrous material usually made on a cylinder or fourdrinier machine from either virgin wood fiber (pulp), or recycled paper stock (old newspapers, old corrugated), or a combination of these fiber sources. Paperboard differs from paper in that it is heavier, thicker, and more rigid. The two general classifications of paperboard are containerboard, which is used principally in making corrugated and solid fiber boxes; and boxboard, the bending grades of which are used in the manufacture of folding cartons.

**Pulp** (Of PaperBoard Packaging Council [www.ppcnet.org](http://www.ppcnet.org) )

The basic cellulose fibers resulting from the disintegration of wood, rags or other vegetable matter by chemical and/or mechanical processes or combination from which all paper and paperboard are made.

**Recycled Material (Fiber)** (Of PaperBoard Packaging Council [www.ppcnet.org](http://www.ppcnet.org) )

Reclaimed material which, after repulping, is used as one of the two principal furnishes for paper or paperboard. This includes boxboard cuttings, over-issue newspaper, reclaimed corrugated containers, mixed paper, tabulating cards, envelope cuttings, kraft cuttings, etc.

**Shipping Container** (Of PaperBoard Packaging Council [www.ppcnet.org](http://www.ppcnet.org) )

A Corrugated or solid fiber box used to pack and transport products or packages

## INFORMATION FROM:

### 1/ PAPERONLINE (Europe)

Paperonline is provided by the [Confederation of European Paper Industries](#).  
**CEPI** is a Brussels-based non-profit making organisation which is both the forum for and voice of the European pulp and paper industry.

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### 3/ PAPERINDEX (ASIA – India)

PaperIndex is an online marketplace for buyers and suppliers in the pulp, paper, converting, packaging, and related industries

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