

Corrugated Board Solutions

Opal's comprehensive range



E Flute

I Flute

B Flute

C Flute

X Flute (Xitex)

BC Flute

BE Flute

CA Flute

CAA Flute

Opal's corrugated cardboard is constructed from one or more fluted corrugated mediums between flat linerboards. The thickness and strength of the corrugated board is dependent on the size of the flutes, properties and grammage of the paper, and the number of flute layers within the board.

Features & Advantages

Our corrugated board solutions have a number of other advantages including:

- Flute types can have specific applications and benefits when used in the construction of a corrugated cardboard box.
- Single face corrugated board consists of a single fluted and one liner (commonly used for pads, partitions and wrapping objects).
- Single wall corrugated board consists of a single fluted paper sandwiched between two liners.
- Xitex® is an Opal patented manufacturing process whereby two fluted papers are aligned at their tips and sandwiched between two liners.
- Double wall corrugated board consists of two flute papers sandwiched between three liners. Different flutes may be combined to achieve desired strength and performance capabilities.
- Triple wall corrugated board consists of three fluted papers sandwiched between four liners. Different flutes may be combined to achieve desired strength and performance capabilities.

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Typical properties and applications of various flute types							
Flute Type	Typical Board Thickness (mm)	Stacking Strength General Ranking of Compression strength 1-weak, 7-strong	Bulge/Base Sag Resistance ie. Trays, Bag in Box 1-weak, 7-strong	Typical Box Size Small: <300mm Medium: 200-400mm Large: 300-600mm Bulk: 500-1200mm	Print Quality • Basic Simple 1-2 Colour Prints • Complex all over print and simple process • High Quality 3+ Colour Process	Style/Specialty Gluing ie. 4 point glue, Crash Lock, Tea Trays	Example Applications
E	2	1	1	Small	Basic- High Quality	YES	Wine Cask Point of Sale
I	2.5	1.5	1	Small	Basic- Complex- High Quality	YES	SRP, Trays, Wraparounds
B	3	2	2	Small - Medium	Basic- Complex	YES	General Purpose Wraparounds
C	4	3-4	3	Medium	Basic	MAYBE	General Purpose
X	5	5	4	Medium - Large	Basic- Complex	MAYBE	Fruit & Produce Chilled Meat Trays
BE	5-6	5	4	Medium - Large	Basic	NO	Fruit & Produce Chilled Meat Trays
BC	7	5	5	Large	Basic	NO	Industrial/ Manufacturing
CA	9	6	6	Large - Bulk	Basic	NO	Industrial/ Manufacturing Heavy Duty
AAC	14	7	7	Bulk	Basic	NO	Heavy Duty



Opal, the complete package

Throughout the supply chain, Opal provides cost-effective packaging solutions.

We supply the complete package from product innovation and design to distribution and branding. With sales offices and manufacturing plants located throughout Australia and New Zealand, and extensive market and industry knowledge, Opal is committed to the delivery of sustainable packaging that meets the needs of our customers. The extensive resources of Opal bring optimised packaging solutions, comprehensive graphic design services and world class innovations to your door step.