



Delta Flute

Giving New Meaning to 'Less is More' in Corrugated Cartons

Working with the company philosophy of 'Less is More – Less Weight, Less Carbon' Japanese packaging producer Rengo Co Ltd demonstrated the versatility of its recently developed Delta Flute corrugated board at Tokyo Pack 2014.

THE DELTA FLUTE was developed to provide functionality, strong construction, and an attractive platform that can serve as both a point of purchase and transport container. With a thickness of 2mm, the Delta Flute (D-flute) is aimed at filling the industry gap between the standard heavy weight beverage, the canned food carton B flute which has a typical thickness of around 3mm, and the more delicate lighter weight of E flute's 1.5mm thickness, which is generally used for gift boxes and products that do not require the additional strength of the B flute carton.

The D-flute uses about 8% less medium and is 25% thinner than the B-flute while its architecture of approximately 60 flutes per 30cm run (+/-2)

delivers a compression strength that is approximately 35% higher than E flute and has a greater flat crush strength than B-flute providing brand owners with a strong yet lighter weight carton.

Because D-flute is stronger than E-flute, it can be used as outer corrugated packaging with the functions of inner boxes commonly used for product display. This effectively eliminates the need for an exterior packing shipment carton altogether when multiple Delta Flute boxes are shrink wrapped together and stacked on the pallet, resulting in greater transportation and storage efficiency than B-flute, accomplishing the further optimization and streamlining of packaging.

