



CORRUGATED PACKAGING

DURABLE. DEPENDABLE. DYNAMIC.

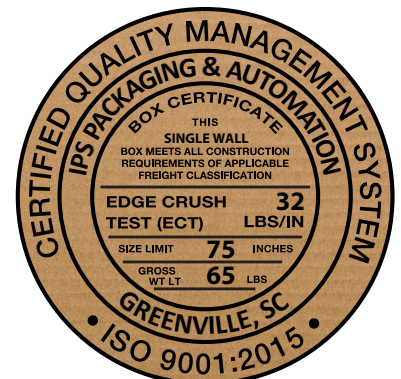
Corrugated boxes are a versatile and essential part of modern packaging, designed to provide superior strength and protection for shipping and storage. These boxes are constructed from a fluted sheet placed between two linerboards, a design that enhances durability and cushioning.

KEY BENEFITS OF CORRUGATED BOXES

- ✓ **Strength & Durability:** Corrugated boxes are engineered to withstand impact, drops, and vibrations, ensuring products are protected during transit.
- ✓ **Customizable Design:** Available in various sizes and thicknesses (e.g., single-wall or double-wall), they can be tailored to specific shipping needs.
- ✓ **Environmental Considerations:** Boxes with virgin fibers offer enhanced strength compared to those made with recycled content, though both options are recyclable.
- ✓ **Adaptability to Conditions:** These boxes perform well in a range of environments but can lose strength in high humidity unless treated for such conditions.

BOX CERTIFICATES

The **Box Maker's Certificate (BMC)**, placed on the outside bottom flap of the box, identifies the manufacturer and confirms compliance with specific standards. It also certifies the results of either the Mullen Bursting Test or the Edge Crush Test. The **Mullen Bursting Test** measures the pressure required to burst the board, which is helpful for boxes carrying heavier items. Customers often prefer Mullen-tested boxes for added protection against bursting. The **Edge Crush Test (ECT)** measures the box's stacking strength and compression resistance. It's commonly used to assess how much weight a box can support and is the most widely used test today.



OUR BMC

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FLUTE PROFILES

Corrugated board comes in various flute profiles designed for different needs. Larger flutes provide better strength and cushioning, while smaller flutes offer greater structural support and a smooth surface for retail packaging and graphics.

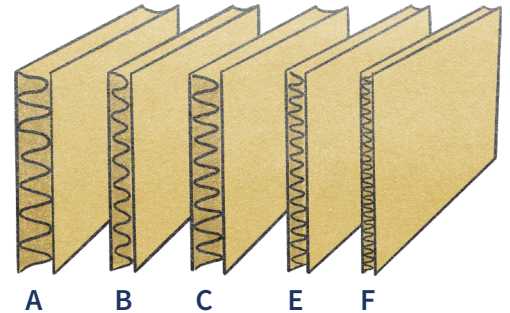
A-FLUTE: ~ 33 flutes per foot; the original flute design.

B-FLUTE: ~ 47 flutes per foot, 1/8" thick; commonly used for canned goods.

C-FLUTE: ~ 39 flutes per foot, 5/32" thick; widely used for shipping cartons.

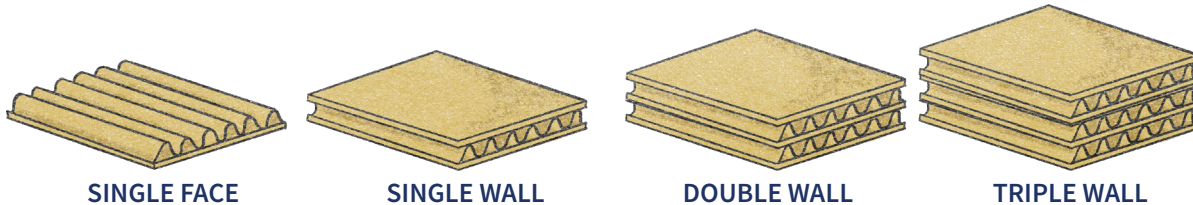
E-FLUTE: ~ 90 flutes per foot, 1/16" thick; suitable for smaller packaging needs.

F-FLUTE: ~ 125 flutes per foot, 1/32" thick; ideal for compact retail packaging.



CORRUGATED COMPOSITION

Corrugated fiberboard is composed of two key components: **Linerboard** and **Medium**. The linerboard forms the flat, outer layers, while the medium is the wavy, fluted paper sandwiched between the liners. Both are made from a specialized paper known as containerboard. The strength of the board depends on the combination of linerboard and medium used.



SINGLE FACE: One corrugated medium is glued to a single sheet of linerboard, leaving the flutes exposed.

SINGLE WALL: The corrugated medium is glued between two sheets of linerboard; also referred to as double-face.

DOUBLE WALL: Consists of three sheets of linerboard with two mediums in between.

TRIPLE WALL: Made with four sheets of linerboard and three mediums, offering maximum strength and durability.

BOX TYPES

HALF-SLOTTED: One-piece with glued, stitched, or taped joints and flaps for closure. Shipped flat for easy assembly.

SLOTTED: Similar to half-slotted boxes, with flaps and shipped flat.

TELESCOPE: Multi-piece with a lid or bottom that telescopes over the box body.

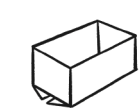
FOLDER BOXES & TRAYS: Single-piece design with hinged sides and optional features like tabs or handles.

SLIDE: Multiple pieces that slide together, including outer sleeves.

RIGID: Separate end pieces and a body, requiring stitching or gluing.

PARTITIONS: Adjustable interior components like dividers or pads.

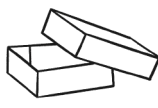
FOLD-UP PADS: Flexible interior fitments like liners or dividers, customizable as needed.



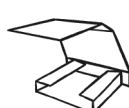
HALF-SLOTTED



SLOTTED



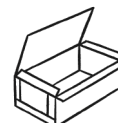
TELESCOPE



FOLDER BOXES
& TRAYS



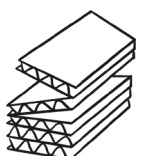
SLIDE



RIGID



PARTITIONS



FOLD-UP PADS

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