



## **Brief Summary of IS 2771 (Part 1) : 2022 Specification for Corrugated Fibreboard Boxes – Part 1: General Requirements**

**Corrugated Fibreboard Boxes** are widely used packaging materials made from corrugated fiberboard, which consists of a **fluted (wave-like) inner layer** sandwiched between two flat linerboards. This structure provides both **durability and cushioning**, making corrugated boxes ideal for protecting products during shipping and storage.

Corrugated fiberboard comes in various configurations depending on the intended application:

- **Single-wall:** Consists of one layer of fluting between two layers of linerboard. This is the most common type, suitable for general-purpose packaging.
- **Double-wall:** Has two layers of fluting and three layers of linerboard, offering extra strength for heavier or more fragile items.
- **Triple-wall:** Features three layers of fluting and four linerboards, providing maximum durability for high-stress packaging needs.

This standard was first published in 1965, covering only corrugated fibreboard boxes. During the revision in 1975, it was decided to include both corrugated and solid fibreboard boxes within the standard. As a result, the standard was divided into two parts: Part I addresses corrugated fibreboard boxes, while Part II pertains to solid fibreboard boxes.

This Part-1 lays down guidelines for **strength requirements**, manufacturing details, sampling and testing of corrugated fibreboard material and boxes, suitable both as inner and outer containers for the transport of goods.

It specifies the **quality requirements** such as **Bursting strength**, **Edge crush test**, water absorption test, Flap bend test, **Joint Strength**.

In summary, IS 2771 (Part 1) is your assurance that the **corrugated fibreboard boxes** you buy are safe, durable, and of high quality. Next time you purchase corrugated fibreboard boxes, look for the BIS mark to ensure they meet these standards, giving you peace of mind for your safe and reliable packaging.