



IS 14871: 2000 - Fibre-Reinforced Cement Sheets for Roofing and Cladding - Specification

The BIS standard IS 14871 specifies requirements for long **corrugated** or asymmetrical fibre-reinforced cement sheets, which are widely used for roofing and cladding in construction. These sheets, designed to meet consumer expectations for quality, durability, and weather resistance, must exceed 0.9 meters in length. The standard addresses the need for materials that can **endure** harsh environmental conditions by mandating tests for durability, **water resistance**, **frost resistance**, and **breaking load** to ensure reliable long-term performance.

To meet quality demands, **Indian Standard IS 14871** includes strict tolerance levels for dimensions and requires a smooth finish, crucial for prolonged exposure to weather elements. The standard also allows for optional treatments such as **colored coatings**, enhancing both aesthetic appeal and resilience. Through detailed sampling, testing, and inspection protocols, this standard ensures that each batch of sheets is consistent in quality, including **bending load** and **deflection tests** that evaluate strength under load-bearing conditions.

Marking requirements within the standard include essential information such as the manufacturer's details and specific product characteristics, aiding in easy identification and traceability. Additionally, Indian Standard IS 14871 emphasizes safety by mandating the exclusion of asbestos, thereby addressing both user safety and environmental compliance. These provisions ensure that fibre-reinforced cement sheets meet structural and environmental standards, promoting safe and effective use in diverse construction projects.