

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

The Indian Standard IS 14871: 2000 specifies requirements for long corrugated or asymmetrical fibre-reinforced cement sheets used in roofing and cladding applications. These sheets, which exceed 0.9 meters in length, are tested for durability, water resistance, frost resistance, and breaking load to ensure reliable performance in various environmental conditions. The standard classifies these sheets by height, thickness, and load-bearing capacity, covering both constant-thickness and variable-thickness profiles to suit different construction needs.

IS 14871: 2000 mandates that sheets meet tolerance levels for dimensions, maintain a smooth finish for weather exposure, and optionally, undergo coloured coating treatments to improve aesthetics and durability. Sampling and testing procedures include bending load and deflection tests to ensure structural integrity. The standard also specifies acceptance criteria for batch inspections to maintain consistent quality across products.

Marking requirements under the standard ensure that each sheet is identified with the manufacturer's details and specific product information. Safety guidelines emphasize the identification of non-asbestos materials and outline precautions for user safety during handling. This standard ensures that fibre-reinforced cement sheets meet the structural and environmental requirements necessary for safe, long-lasting use in construction.