

IS 2095 (Part 3): 2022 Gypsum Plaster Boards — Specification

Gypsum plaster boards are essential construction materials used for wall and ceiling linings, offering benefits such as **lightweight, fire resistance, and sound insulation**.

The Indian Standard IS 2095 (Part 3): 2022, by the Bureau of Indian Standards (BIS) specifies the requirements for **reinforced gypsum plaster boards and ceiling tiles**, focusing on **durability, environmental responsibility, and suitability** for modern construction needs. Gypsum plaster boards offer advantages such as **lightweight structure, sound and thermal insulation, and fire resistance**, making them ideal for **interior wall and ceiling applications**.

The reinforced gypsum boards are intended for use in **dry linings for masonry walls, partitions, ceilings, and structural components**. **Glass Reinforced Gypsum (GRG) boards** serve as **panel doors, partitions, and decorative elements**, while **fibre-reinforced units** are tailored for **wall surfacing and ceilings**.

This standard covers **materials, manufacturing processes, dimensions, and performance requirements**. These boards can be produced by using **gypsum (natural or by-product), with fiber reinforcement (such as sisal, coconut, or glass fibers)** enhancing durability and resilience.

Minimum density requirements have been specified for durability, with fiber-reinforced boards at 800 kg/m³ and GRG boards at higher densities.

This standard also outlines **the flexural strength and impact resistance**, specifying test methods for verifying the minimum requirements, which ensure that the boards can withstand physical stress and are suited for structural and decorative use.

To enhance longevity, **water absorption** is limited, with a maximum threshold for both types.

Aligning with sustainability goals, additional requirements for **ECO Mark certification**, which **include environmental clearance, recyclable packaging, and eco-friendly materials**, have also been defined.

IS 2095 (Part 3): 2022 ensures that gypsum plaster boards used in construction meet high-quality, durability, and environmental standards, supporting safe and efficient building practices. This standard reflects BIS's commitment to promoting sustainable and high-performance building materials.