

IS 2095(Pt 2) SUMMARY

Introduction and Brief

IS 2095 (Part 2):2022 specifies technical requirements for coated/laminated gypsum plaster boards used in partitions, ceilings, and wall linings. This standard includes specifications on board dimensions, such as width, length and thickness with defined tolerances to ensure precision. The standard mandates a minimum density of 1150 kg/m³ to enhance board strength and performance. The boards are subject to a minimum flexural breaking load, ensuring their resilience in both transverse and longitudinal directions. For fire safety, the boards must meet a fire resistance threshold of 60 minutes when tested per IS/ISO 834 (Part 8). Additionally, laminated boards undergo coating with materials like wood veneers or plastic films, which improve the board's surface finish and water resistance. Eco-mark certification requirements include using by-product gypsum to promote sustainability and adherence to environmental pollution control standards.

Important Instructions for Users

The standard outlines essential requirements for product quality. Gypsum boards should conform to specified dimensions, edge straightness, and density requirements, as well as fire resistance rating. For eco-mark certification, the use of by-product gypsum is recommended, and compliance with pollution control standards is mandatory. Proper handling and dry storage are crucial to prevent moisture damage.

Conclusion

IS 2095 (Part 2):2022 ensures that gypsum plaster boards meet quality, durability, and environmental standards. By following these guidelines, manufacturers and users can ensure that products are suitable for diverse building applications while adhering to environmental and safety standards set by BIS.