

IS 12583 SUMMARY

Introduction and brief

Indian Standard IS 12583:1988 provides specifications for corrugated bitumen roofing sheets, used primarily as light roofing materials. Reaffirmed in 2009, this standard aims to ensure quality, durability, and suitability of bitumen sheets in varied climatic conditions by detailing specific requirements for materials and other mechanical characteristics.

Key parameters include strength characteristics, dimensions, weight, and tolerances. The bitumen must comply with IS 73, and paperboard base should meet specific strength and thickness requirements. Physical properties such as impermeability, impact resistance, load-bearing under wet conditions, water absorption, and weathering are specified, with each tested under rigorous conditions outlined in the standard.

Important instruction for users

For effective installation, sheets should be supported by purlins spaced at 550 mm and limited to a 75 mm overhang to prevent sagging. Both surfaces are painted for protection, and the sheets must pass BIS inspection to carry the BIS mark, confirming adherence to quality standards. Packaging must prevent damage during transit.

Conclusion

IS 12583:1988 establishes a comprehensive framework for the quality and durability of bitumen roofing sheets, ensuring they perform reliably in different environments. By following these guidelines, manufacturers contribute to maintaining high safety and performance standards for roofing materials.