

IS 809: 1992 - RUBBER FLOORING MATERIALS FOR GENERAL PURPOSES-SPECIFICATION

The rubber floor coverings are used in the public and industrial buildings, buses and ships because of their fair wear-resistance quality, resiliency and reduction in noise.

This standard lays down the composition, minimum requirements, workmanship and prescribes tests for rubber flooring material suitable for covering floors of domestic and public buildings, cinemas, hospitals, large stores, ships, transport vehicles, etc. This standard does not cover the requirements for special types of rubber flooring used for electrical insulating purposes, conductive or antistatic flooring or rubber flooring having chemical and oil-resistant properties.

The rubber flooring material shall be of first class workmanship, satisfactorily vulcanized, free from sulphur bloom and objectionable odour and blisters, cracks and embedded foreign matter to the extent that it complies with the intended design. There shall be no porosity on the surface or throughout the thickness of the sheet. The surface finish of the flooring shall be either glossy or mat. The base stratum may be of any colour. The underside of the floor covering shall be either furnished with a cloth impression or be buffed smooth. The edges and ends shall be cut true and square.

The following requirements have been incorporated in the latest revision of the standard:

- a) Thickness of rubber flooring from 3 to 6 mm have been covered and pressure limits while measuring thickness have been specified;
- b) Methods of measuring tile size and square-ness have been included;
- c) Sheet widths up to 2.1 m have been covered;
- d) Maximum limit of hardness and permissible tolerances are included; and
- e) Provision for measurement of resistance to abrasion (if agreed to between the purchaser and supplier) has been included.

The flooring as specified in the standard shall be made from a compound of natural or synthetic rubber which may also contain reclaim rubber and suitable fillers. All colouring matter shall be of good quality, insoluble in water, resistant to alkalies and direct sunlight or artificial light. Suitable cotton sheeting shall be used as backing. In case of hessian use for packing the same shall conform to Type II of IS 2818. The cotton sheeting/hessian shall be impregnated with a high grade rubber compound.