

IS 13489 : 2000 Textiles – Bed Mattress – Specification (*first revision*)

A good quality bed mattress gives a perfect balance of required comfort and support, keeping the natural spinal alignment and body posture in place, thus significantly enhancing the quality sleep. Indian Standard, IS 13489 : 2000 has been formulated to specify requirements for production of quality bed mattresses.

This standard covers two types of bed mattresses, namely

- a) Type 1 – Bed mattress made from medium grade rubberized coir sheet as cushioning material, mainly used by defence services, paramilitary organizations, police, railways, public works departments, etc.
- b) Type 2 – Bed mattress made from rubberized coir, flexible polyurethane or latex foam sheet either singly or in combination, as cushioning materials.

The Indian Standard prescribes the materials that can be used along with their quality for manufacture of different components of bed mattress i.e. Case, Cushioning, Piping, Typing tapes and Sewing thread. In the standard, the principal dimensions (length, width and thickness) of Type 1 Bed Mattress are specified whereas in case of Type 2 Bed Mattress, the dimensions shall be as specified in the contract or order, subject to the prescribed tolerances.

The standard also lays down the method of manufacture of Bed Mattress. The use of a single piece of fabric for making the top and bottom pieces of the mattress is permitted. One joint parallel to the length is, however, permitted both in the top and bottom of the case but no piece less than 18 cm in width shall be used. The standard also requires that the sides shall be made from the same fabric and can have a maximum of four joints. However, no lateral joint of any cushioning material is allowed parallel to length/width.

For Type I Bed Mattress, the standard specifies the packaging materials that can be used for packing the mattress as well as the quality of these materials. The standard also lays down the minimum labelling requirements i.e. Name of manufacturer; Type of mattress; Dimensions; Type of cushioning material used which shall be labelled on each Bed Mattress.