

Q for the environment

PRODUCT TESTING: Surface & Structure Durability



CONDUCTED BY: FIRA (Furniture Industry Research Association, UK)

FIRA Ref: *TFBDF03153*

KEY AIM: To test product **surface & structure durability**

AIM: To test the durability and functional characteristics of the bed surface and the bed edge.

DATE OF TEST: August 2004

THE TEST: BS EN 1957:2000 the durability test requires a barrel shaped roller to be passed to and fro across the mattress or bed set 30,000 times (one cycle includes one to and fro travel). The total rolling system applies a load of 1400 Newtons)

The load deflection curve, as well as thickness and hardness measurements are recorded before and after test, and changes in thickness and hardness values are recorded. The indenter pad used is 355mm in diameter and the face is smooth and spherically convex. A downward force of 1000N is applied and paired observations of deflection and load are taken whilst the load is increased, 250 measurements are required to be logged from 0 to 1000 for the load/deflection curve. The hardness value for the mattress is taken from the load deflection curve at 210N, 275N and 340N.

RESULTS: The height of the bed base was measured prior to test and after it was rolled for 30,000 cycles, the measurements showed no change.

An inspection of the bed base was carried out after the roller test. No signs of damage were noted after testing, thus complying with the requirements of the standard. The supplied bed base complied with all applicable tests in BS EN 1957:2000 – Domestic Furniture – Beds and Mattresses – Test method for the determination of the functional characteristics. Therefore the supplied bed base is considered suitable for domestic applications according to the standard.

BS EN 1957 2000 granted. 

"Annually, 38,200,000 mattresses are discarded in the United States. With a population of 280,000,000, that means that 0.14 units are discarded per person per year."

Source: Meeting Summary July 2004 of Interagency Pollution Prevention Advisory Team (IPPAT)

The structure and mechanism of the multi-component Ammique Bed has been subjected to exhaustive tests conducted independently by The Furniture Industry Regulatory Authority (FIRA). Based on the specified tests carried out by FIRA (UK) to evaluate its surface and structural durability, longevity and surface recovery, the mattress-less Ammique Bed has an estimated functional life of over 250 years.

Q for a lifetime

PRODUCT TESTING: Longevity & Surface Recovery



CONDUCTED BY: FIRA (Furniture Industry Research Association, UK)

FIRA Ref: *TFBDF13242*

KEY AIM: To test product **longevity & surface recovery**

AIM: To test the products stability, durability, vertical impact & vertical static load.


DATE OF TEST: October 2006

THE TEST: BS EN 1725 1998 the structural tests incorporated include; stability, durability, vertical impact, durability of bed edge, vertical static load and vertical static load of the edge of the bed. The standard stability, durability and vertical impact test requires a force of 1000N repeated for 10,000 cycles.

SPECIFIED TEST: Based on BS EN 1725 1998 (CLAUSE 7.3) the stability, durability and vertical impact test specified **a force of 1000N repeated for 250,000 cycles.**

RESULTS: The bed base sample completed 250,000 cycles without noticeable wear or damage and was therefore considered to satisfy the requirements of the specified test.

The surface recovered fully with no discernible wear or damage to any of the caps, rods and pushers, support bars, springs and support rods (and their fixing points).

BS EN 1725 1998 granted. 

LIFETIME GUARANTEE

The Ammique frame and support system are guaranteed for a lifetime against defective workmanship and materials. Defects in workmanship and materials are defined for the purpose of the warranty, as causing the Ammique Bed to be unsound structurally or mechanically. The Company cannot accept responsibility for any damage caused to the structure and mechanism if not stored in dry conditions and at room temperature. The warranty applies under normal usage and does not apply to defects resulting from accidents, misuse, or negligence.

