

Safety requirements and test methods for children's bedguards for domestic use

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee CW/52, Children’s cots, bunk beds and mattresses, upon which the following bodies were represented:

- BSI Testing Services
- Baby Equipment Hirers’ Association
- Baby Products Association
- British Association of Nursery and Pram Retailers
- British Furniture Manufacturers’ Federation
- British Measurement and Testing Association
- British Retail Consortium
- British Toy and Hobby Association
- Chemical Industries Association
- Child Accident Prevention Trust
- Consumer Policy Committee of BSI
- Department of Health, Health Care Division (Specialist Clinical Services)
- Department of Trade and Industry
- Foundation for the Study of Infants Deaths
- Furniture Industry Research Association
- Institute of Trading Standards Administration
- Laboratory of the Government Chemist
- National Bed Federation
- Youth Hostels Association (England and Wales)
- Coopted members

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Amendments issued since publication

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Foreword

The British Standard has been prepared by Technical Committee CW/52, Children's cots, bunk beds and mattresses.

BS 7972:2001+A1:2009 supersedes BS 7972:2001, which is withdrawn.

The start and finish of text introduced or altered by Amendment No. 1 is indicated in the text by tags **A1** **A1**. Minor editorial changes are not tagged.

The types of bedguard covered by this standard are intended for domestic use for children within the age range of 18 months to 5 years. A bedguard used in conjunction with an adult bed is not considered a suitable environment for children under 18 months of age.

The principal danger from the use of bedguards is perceived to be entrapment should a child's body pass through gaps and then become trapped by the head. In such circumstances there is a real danger that the child could be strangled. The entrapment of a limb by the bedguard, although possible in certain circumstances, is thought to be less hazardous, though potentially painful.

In particular, attention is drawn to the following Statutory Instruments:

Statutory Instrument 1988 No. 1324. The Furniture and Furnishings (Fire) (Safety) Regulations 1988 [1];

Statutory Instrument 1989 No. 2358. The Furniture and Furnishings (Fire) (Safety) (Amendment) Regulations [2];

Statutory Instrument 1993 No. 207. The Furniture and Furnishings (Fire) (Safety) (Amendment) Regulations [3].

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 14, an inside back cover and a back cover.

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1 Scope

This British Standard specifies safety requirements and methods of test for children's bedguards for domestic use. It applies to bedguards intended for use with beds having a maximum height of 600 mm and a minimum internal length of 1 400 mm. These bedguards, when used in conjunction with a bed/mattress combination, are intended to prevent children aged between 18 months and 5 years from falling out of bed.

This standard is not applicable to bedguards designed for adult use, nor to bedguards which are an integral part of a bed, i.e. a permanent fixture not intended to be detached.

2 Normative references

The following normative documents contain provisions, which, through reference in this text, constitute provisions of this part of this British Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. For undated references, the latest edition of the publication referred to applies.

BS EN 71-1:2005+A9:2009, *Safety of toys — Part 1: Mechanical and physical properties*.

BS EN 71-2:2006+A1:2007, *Safety of toys — Part 2: Flammability*.

BS EN 71-3, *Safety of toys — Part 3: Specification for migration of certain elements*.

BS EN 1725, *Domestic furniture — Beds and mattresses — Safety requirements and test methods*.

3 Definitions

For the purposes of this British Standard, the following definitions apply.

3.1

underframe

part of the bedguard which fits under the mattress

NOTE The underframe is sometimes referred to as the “arm”, “leg” or “horizontal member”.

3.2

single-sided bedguard

bedguard with a vertical element on one side of the bed only, intended to fit against one long side of a mattress

3.3

double-sided bedguard

bedguard with a vertical element on both sides of the bed, intended to fit against both long sides of a mattress

4 Materials

Note deleted.

4.1 Migration of certain elements

Bedguards shall conform to the requirements of BS EN 71-3.

Table deleted.

A1 *Text deleted.*

Table deleted.

Text deleted. **A1**

A1 4.2 **A1** Wood

Wood used in any part of the bedguard shall be free from decay, loose knots and insect infestation.

5 Construction

NOTE Annex A gives tolerances which apply to the tests specified in Annex B, Annex C, Annex D and Annex E.

5.1 General

5.1.1 Exposed edges and protruding parts shall be rounded and/or chamfered as shown in Figure 1a, Figure 1b or Figure 1c, and shall be free of burrs and sharp edges.

The edges of sheet materials with a thickness less than 0.5 mm, shall be bent, curled or rolled in at least one of the configurations shown in Figure 1d, Figure 1e or Figure 1f, or shall be covered as shown in Figure 1g.

NOTE The minimum radii shown in Figure 1 do not apply to small components such as hinges, brackets and catches.

Hinges, brackets and catches shall be free of burrs and sharp edges.