

Domestic and kitchen storage units and worktops — Safety requirements and test methods

The European Standard EN 14749:2005 has the status of a
British Standard

ICS 97.040.10; 97.140

National foreword

This British Standard is the official English language version of EN 14749:2005. It supersedes BS 7449:1991, BS EN 1153:1996 and BS EN 1727:1998 which are withdrawn.

The UK participation in its preparation was entrusted to Technical Committee FW/1, Common test methods for furniture, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

The United Kingdom, as a member of CEN, is obliged to publish EN 14749:2005 as a British Standard. However, attention is drawn to the fact that during the development of this European Standard, the United Kingdom consistently voted against its approval as a European Standard.

The UK committee would like to highlight the following technical differences between BS EN 14749:2005 and the British Standards it supersedes. The committee is concerned that some of these differences could have an impact on the safety of glass.

- a) BS EN 14749 applies to vertical glass any part of which is less than 900 mm from the floor. As a result, there are no safety requirements for any glass entirely above 900 mm. BS 7449 applied to all external glass in storage furniture.
- b) BS EN 14749 requires a moderate impact test which is expected to accept 4 mm thick annealed glass. In the UK toughened glass is more traditionally used because if broken, annealed glass can produce sharper daggers and shards. BS 7449 required external vertical glass to be at least 3 mm thick toughened glass.
- c) BS 7449 applied to all glass more than 0,06 m² in area. BS EN 14749 only applies to glass 0,10 m² in area and then only if it has a minor dimension of 800 mm or more.
- d) BS 7449 required all open glass shelves to be toughened. BS EN 14749 has no specific requirements for open glass shelves.

Summary of pages

This document comprises a front cover, an inside front cover, page i, a blank page, the EN title page, pages 2 to 24, an inside back cover and a back cover.

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The British Standards which implement international or European publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

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English Version

Domestic and kitchen storage units and worktops - Safety requirements and test methods

Meubles d'habitation et de cuisine - Éléments de rangement et plans de travail - Exigences de sécurité et méthodes d'essai

Wohn- und Küchenmöbel - Schränke, Regale und Arbeitsplatten - Sicherheitstechnische Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 8 July 2005.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This European Standard (EN 14749:2005) has been prepared by Technical Committee CEN/TC 207 "Furniture", the secretariat of which is held by UNI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2006, and conflicting national standards shall be withdrawn at the latest by February 2006.

This European Standard supersedes EN 1153:1995 and EN 1727:1998.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

This European Standard is a merger of the previous EN 1727, “Domestic furniture — Storage furniture — Safety requirements and test methods”, and EN 1153, “Kitchen furniture — Safety requirements and test methods for built-in and free standing kitchen cabinets and worktops”.

It has been prepared in order to provide assurance that kitchen cabinets and worktops and domestic storage furniture complying with the requirements are reasonably safe.

It should be noted that the assessment of ageing and degradation of materials and the effects caused by heating from appliances are not included, nor is fire safety.

It is the intention of this European Standard to prevent serious injury through normal use, as well as foreseeable misuse. It cannot ensure that structural failure will not eventually occur as a result of habitual misuse.

The co-ordinating sizes for kitchen furniture (including worktops) kitchen appliances, sinks and decorative panels are covered by EN 1116, “Kitchen furniture — Co-ordinating sizes for kitchen furniture and kitchen appliances”.

1 Scope

This European Standard specifies safety requirements and test methods for the structure of all types of kitchen and bathroom storage units and domestic storage furniture that are fully assembled and ready for use, including kitchen and bathroom worktops and movable and non-movable parts and parts made of glass.

This European Standard applies to the storage function only. If the furniture has additional functions, it is essential that it also meets the requirements of the appropriate European safety standard for that function.

It does not apply to units covered by EN 71-1:1998/A7:2002 nor to catering equipment.

Safety depending on the structure of the building is not included, e.g. the strength of wall hanging cabinets includes only the cabinet and its parts. The wall and the wall attachments are not included.

The stability tests for storage furniture (6.6) include an allowance for sloping or uneven floors and the effect of soft carpets.

2 Normative references

The following referenced documents are indispensable for the application of this European Standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 12150-1:2000, *Glass in building — Thermally toughened soda lime silicate safety glass — Part 1: Definition and description*

EN 12600, *Glass in building — Pendulum test — Impact test method and classification for flat glass*

EN 14072:2003, *Glass in furniture — Test methods*

ISO 7619-2, *Rubber, vulcanized or thermoplastic - Determination of indentation hardness -- Part 2: IRHD pocket meter method*

3 Terms and definitions

For the purposes of this European Standard, the following terms and definitions apply.

3.1

free standing unit

unit not intended to be attached to a load bearing structure

3.2

built-in unit

unit intended to be attached to the structure of the building, directly or via other units

3.3

wall-hanging unit

unit intended to be entirely supported by a vertical structure, e.g. wall, panel or screen

3.4

storage area/- volume

spaces in furniture for storage, e.g. in extension elements and on shelves, bottoms and tops

3.5

extension element

component that can be pulled out and pushed in, e.g. baskets, drawers or suspended pocket files