



BSI Standards Publication

Furniture — Classification for properties for furniture surfaces

National foreword

This Published Document is the UK implementation of CEN/TS 16209:2022. It supersedes DD CEN/TS 16209:2011, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee FW/0, Furniture.

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

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Amendments/corrigenda issued since publication

Date	Text affected
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English Version

Furniture - Classification for properties for furniture surfaces

Ameublement - Classification des propriétés
des surfaces d'ameublement

Möbel - Klassifizierung von Möbeloberflächen

This Technical Specification (CEN/TS) was approved by CEN on 7 February 2022 for provisional application.

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European foreword

This document (CEN/TS 16209:2022) has been prepared by Technical Committee CEN/TC 207 “Furniture”, the secretariat of which is held by UNI.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes CEN/TS 16209:2011.

Compared to CEN/TS 16209:2011, the following modifications have been made:

- resistance to microscratching added;
- normative references updated;
- revised [Clause 4](#) classification: normative text added; examples to [Table 1](#) and [Table 2](#) added; [Table 3](#) revised and “Mustard” and “Red wine” added; revolutions [Table 4](#) revised;
- additional [Clause 4.7](#) regarding microscratching added;
- document editorially revised in its entirety.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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Introduction

This document is a working document for the classification of the resistance of furniture surfaces according to the following properties:

- Resistance to dry heat;
- Resistance to wet heat;
- Resistance to cold liquids;
- Resistance to abrasion;
- Resistance to scratching;
- Resistance to microscratching.

NOTE Classification for other important properties for furniture surfaces, such as adhesion or light fastness, are included in EN ISO 2409:2007 and EN 15187:2006.

1 Scope

This document specifies a system for the classification of the resistance to:

- Dry heat;
- Wet heat;
- Cold liquids;
- Abrasion;
- Scratching;
- Microscratching.

The classification applies to foils, laminates, melamine faced boards, pigmented and transparent lacquers. The classification for the resistance to cold liquids also applies to oils and waxes.

The following classification does not apply to leather surfaces.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

CEN/TS 16611, *Furniture - Assessment of the surface resistance to microscratching*

EN 12720, *Furniture - Assessment of surface resistance to cold liquids*

EN 12721, *Furniture - Assessment of surface resistance to wet heat*

EN 12722, *Furniture - Assessment of surface resistance to dry heat*

EN 15185, *Furniture - Assessment of the surface resistance to abrasion*

EN 15186, *Furniture - Assessment of the surface resistance to scratching*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 12720, EN 12721, EN 12722, EN 15185, EN 15186 and CEN/TS 16611 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Classification

4.1 General

This is a classification system for six properties.

Each property relates to five classes, from A to E, by decreasing the requirements asked for each class, as stated in [4.2](#) to [4.7](#).