



BSI Standards Publication

**Technical report regarding precision
data for standards EN 12720, EN 12721,
EN 12722, EN 15185 and EN 15186**

National foreword

This Published Document is the UK implementation of CEN/TR 17292:2018.

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

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TECHNICAL REPORT**CEN/TR 17292****RAPPORT TECHNIQUE****TECHNISCHER BERICHT**

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English Version

**Technical report regarding precision data for standards
EN 12720, EN 12721, EN 12722, EN 15185 and EN 15186**

Rapport technique sur les données de fidélité
concernant les normes EN 12720, EN 12721, EN
12722, EN 15185 et EN 15186

Technischer Bericht über Präzisionsdaten der Normen
EN 12720, EN 12721, EN 12722, EN 15185 und EN
15186

This Technical Report was approved by CEN on 5 November 2018. It has been drawn up by the Technical Committee CEN/TC 207.

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European foreword

This document (CEN/TR 17292:2018) 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.

1 Scope

This document specifies repeatability standard deviation and reproducibility standard deviation for results obtained from test methods carried out according to the following standards:

- EN 12720:2009+A1:2013, *Furniture — Assessment of surface resistance to cold liquids*,
- EN 12721:2009+A1:2013, *Furniture — Assessment of surface resistance to wet heat*,
- EN 12722:2009+A1:2013, *Furniture — Assessment of surface resistance to dry heat*,
- EN 15185:2011, *Furniture — Assessment of the surface resistance to abrasion*,
- EN 15186:2012, *Furniture — Assessment of the surface resistance to scratching*,

in order to provide the accuracy of results.

The above standards deal with all rigid furniture surfaces regardless of materials and they do not apply to leather and textile 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.

ISO 5725-1:1994, *Accuracy (trueness and precision) of measurement methods and results — Part 1: General principles and definitions*¹⁾

ISO 5725-2:1994, *Accuracy (trueness and precision) of measurement methods and results — Part 2: Basic method for the determination of repeatability and reproducibility of a standard measurement method*²⁾

3 Terms and definitions

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

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

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

3.1 precision

closeness of agreement between independent test results obtained under stipulated conditions

Note 1 to entry: Precision depends only on the distribution of random errors and does not relate to the true value or the specified value.

1) This document is impacted by the corrigendum ISO 5725-1:1994/COR 1:1998, *Accuracy (trueness and precision) of measurement methods and results — Part 1: General principles and definitions Technical corrigendum 1*.

2) This document is impacted by the corrigendum ISO 5725-2:1994/COR 1:2002, *Accuracy (trueness and precision) of measurement methods and results — Part 2: Basic method for the determination of repeatability and reproducibility of a standard measurement method Technical corrigendum 1*.