

Thermal insulating products for building applications -
Determination of linear dimensions of test specimens
(ISO 29768:2022)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 29768:2022 sisaldab Euroopa standardi EN ISO 29768:2022 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 29768:2022 consists of the English text of the European standard EN ISO 29768:2022.
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English Version

Thermal insulating products for building applications -
Determination of linear dimensions of test specimens (ISO
29768:2022)

Produits isolants thermiques destinés aux applications
du bâtiment - Détermination des dimensions linéaires
des éprouvettes (ISO 29768:2022)

Wärmedämmstoffe für das Bauwesen - Bestimmung
der linearen Maße von Probekörpern (ISO
29768:2022)

This European Standard was approved by CEN on 8 August 2022.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

This document (EN ISO 29768:2022) has been prepared by Technical Committee ISO/TC 163 "Thermal performance and energy use in the built environment" in collaboration with Technical Committee CEN/TC 88 "Thermal insulating materials and products" the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by March 2023, and conflicting national standards shall be withdrawn at the latest by September 2025.

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 EN 12085:2013.

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

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

Endorsement notice

The text of ISO 29768:2022 has been approved by CEN as EN ISO 29768:2022 without any modification.

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 163, *Thermal performance and energy use in the built environment*, Subcommittee SC 1, *Test and measurement methods*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 88, *Thermal insulating materials and products*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 29768:2008), which has been technically revised.

The main changes are as follows:

- [Clause 2](#), Normative references, has been added and the following numbering of clauses has been changed accordingly;
- some editorial corrections.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Thermal insulating products for building applications — Determination of linear dimensions of test specimens

1 Scope

This document specifies the characteristics and choice of measuring equipment and the procedure for determining the linear dimensions of test specimens that are taken from thermal insulating products. The procedures for measuring the dimensions of full-size products are specified in ISO 29465 and ISO 29466.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

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

ISO and IEC maintain terminology 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/>

3.1

linear dimension

distance between two points, between two parallel lines or between two parallel planes, defined by corners, edges or surfaces of the test specimen

3.2

test specimen

single item or part of an item used for a test

4 Principle

The linear dimensions of a test specimen are measured using an apparatus giving the required degree of accuracy.

5 Apparatus

Any test equipment which provides the same result with at least the same accuracy may be used.

5.1 Flat surface, larger than the largest dimensions of the test specimen.

5.2 Dial gauge, allowing a reading to at least 0,05 mm.

The measuring surface shall be of such a size that the total resultant measuring pressure ≤ 1 kPa.

The measuring pressure of the dial gauge can be reduced by removing the spring. The dial gauge, or any other electrical or optical measuring instrument having at least the same accuracy, can be fixed to a device to adapt the testing equipment to the size of the test specimen.