Thermal insulating products for building applications - Determination of flatness (ISO 29468:2022)



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 29468:2022 sisaldab Euroopa standardi EN ISO 29468:2022 ingliskeelset teksti.

This Estonian standard EVS-EN ISO 29468:2022 consists of the English text of the European standard EN ISO 29468:2022.

Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.

This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.

Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 07.09.2022.

Date of Availability of the European standard is 07.09.2022.

Standard on kättesaadav Eesti Standardimis-ja Akrediteerimiskeskusest.

The standard is available from the Estonian Centre for Standardisation and Accreditation.

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ICS 91.100.60

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EUROPEAN STANDARD

EN ISO 29468

NORME EUROPÉENNE EUROPÄISCHE NORM

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Supersedes EN 825:2013

English Version

Thermal insulating products for building applications - Determination of flatness (ISO 29468:2022)

Produits isolants thermiques destinés aux applications du bâtiment - Détermination de la planéité (ISO 29468:2022)

Wärmedämmstoffe für das Bauwesen - Bestimmung der Ebenheit (ISO 29468:2022)

This European Standard was approved by CEN on 7 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 29468:2022) has been prepared by Technical Committee ISO/TC 163/SC 1 "Test and measurement methods" 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of an identical text or by endorsement, at the latest by March 2023, and conflicting national standards shall be withdrawn at the latest by September 2025.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 825:2013.

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.

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Endorsement notice

The text of ISO 29468:2022 has been approved by CEN as EN ISO 29468:2022 without any modification.

ntents	Page
eword	iv
Scope	1
Normative references	1
Terms and definitions	1
Principle	1
Apparatus	
Test specimens 6.1 Dimensions of test specimens 6.2 Number of test specimens 6.3 Conditioning of test specimens	
Procedure 7.1 Test conditions 7.2 Test procedure	2
Calculation and expression of results	3
Accuracy of measurement	3
	Scope Normative references Terms and definitions Principle Apparatus Test specimens 6.1 Dimensions of test specimens 6.2 Number of test specimens 6.3 Conditioning of test specimens Procedure 7.1 Test conditions 7.2 Test procedure Calculation and expression of results Accuracy of measurement Test report

Foreword

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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 29468:2008), which has been technically revised.

The main changes are as follows:

- <u>Clause 2</u>, Normative references, has been added and the following numbering of clauses has been changed;
- 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 flatness

1 Scope

This document specifies the equipment and procedures for determining the deviation from flatness for full-size products. It is applicable to thermal insulating products.

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

deviation from flatness

maximum distance between the product, placed on a flat surface with the convex side uppermost, and the flat surface

4 Principle

The maximum distance between the product placed on a flat surface and the flat surface is measured.

5 Apparatus

- 5.1 Flat surface.
- **5.2 Metal rule** or **metal tape**, graduated in millimetres and allowing a reading to 0,5 mm.
- **5.3 Rigid frame**, with a movable measuring device consisting of a disc with a diameter of 30 mm, fixed to a graduated pin or a dial gauge (graduated to at least 0,5 mm) applying a load of $(2,0 \pm 0,1)$ N.

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

6 Test specimens

6.1 Dimensions of test specimens

The test specimen shall be the full-size product.