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Thermal insulating products for building equipment and industrial installations - Determination of the coefficient of thermal expansion (ISO 18099:2022)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/22

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English Version

Thermal insulating products for building equipment and industrial installations - Determination of the coefficient of thermal expansion (ISO 18099:2022)

Produits isolants thermiques pour l'équipement du bâtiment et les installations industrielles - Détermination du coefficient de dilatation thermique (ISO 18099:2022)

Wärmedämmstoffe für die Haustechnik und für betriebstechnische Anlagen - Bestimmung des Wärmeausdehnungskoeffizienten (ISO 18099:2022)

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COMITÉ EUROPÉEN DE NORMALISATION
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EN ISO 18099:2022 (E)

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European foreword

This document (EN ISO 18099:2022) 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of an identical text or by endorsement, at the latest by March 2023, and conflicting national standards shall be withdrawn at the latest by September 2025.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.

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Endorsement notice

The text of ISO 18099:2022 has been approved by CEN as EN ISO 18099:2022 without any modification.

INTERNATIONAL STANDARD

ISO 18099

Second edition
2022-08

Thermal insulating products for building equipment and industrial installations — Determination of the coefficient of thermal expansion

*Produits isolants thermiques pour l'équipement du bâtiment et
les installations industrielles — Détermination du coefficient de
dilatation thermique*



Reference number
ISO 18099:2022(E)

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ISO 18099:2022(E)

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 18099:2013), which has been technically revised.

The main changes are as follows:

- EN 13471:2001 and ISO 18099:2013 have been merged into one document;
- [Clause 2](#), Normative references, has been added and the numbering of the following clauses has been changed accordingly;
- editorial revisions.

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 equipment and industrial installations — Determination of the coefficient of thermal expansion

1 Scope

This document specifies the equipment and procedures for determining the coefficient of linear thermal expansion. It is applicable to thermal insulating products within the temperature range -196 °C to 850 °C , subject to the possible temperature limitation of the test specimens. It is not applicable to products which experience dimensional changes during the test due to the loss of hydration water or which undergo other phase changes.

2 Normative references

There are no normative references in this document.

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