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Thermal insulating products for building applications - Determination of long-term water absorption by immersion (ISO 16535:2019)

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

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Thermal insulating products for building applications - Determination of long-term water absorption by immersion (ISO 16535:2019)

Produits isolants thermiques destinés aux applications du bâtiment - Détermination de l'absorption d'eau à long terme par immersion (ISO 16535:2019)

Wärmedämmstoffe für das Bauwesen - Bestimmung der Wasseraufnahme bei langzeitigem Eintauchen (ISO 16535:2019)

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

EN ISO 16535:2019 (E)

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European foreword

This document (EN ISO 16535:2019) 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of an identical text or by endorsement, at the latest by January 2020, and conflicting national standards shall be withdrawn at the latest by January 2020.

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Thermal insulating products for building applications — Determination of long-term water absorption by immersion

Produits isolants thermiques destinés aux applications du bâtiment — Détermination de l'absorption d'eau à long terme par immersion



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

This second edition cancels and replaces the first edition (ISO 16535:2012), which has been technically revised. The main changes compared to the previous edition are as follows:

— The content in 5.3, 6.4, 7.1 and 10 has been revised to reflect the conditions for tropical countries.

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 long-term water absorption by immersion

1 Scope

This document specifies the equipment and procedures for determining the long-term water absorption of test specimens. It is applicable to thermal insulating products.

This document specifies two methods:

- Method 1: Partial immersion:
- Method 2: Total immersion.

The long-term water absorption by partial immersion is intended to simulate the water absorption caused by long-term water exposure.

The long-term water absorption by total immersion is not directly related to the conditions on site, but has been recognized as a relevant condition of test for some products in some applications.

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 29768, Thermal insulating products for building applications — Determination of linear dimensions of test specimens

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