



**SLOVENSKI STANDARD  
SIST EN ISO 29770:2022**

**01-november-2022**

**Nadomešča:  
SIST EN 12431:2013**

---

**Toplotnoizolacijski proizvodi za uporabo v gradbeništvu - Ugotavljanje debeline izolacijskih proizvodov za plavajoče pode (ISO 29770:2022)**

Thermal insulating products for building applications - Determination of thickness for floating-floor insulating products (ISO 29770:2022)

Wärmedämmstoffe für das Bauwesen - Bestimmung der Dicke von Dämmstoffen unter schwimmendem Estrich (ISO 29770:2022)

Produits isolants thermiques destinés aux applications du bâtiment - Détermination de l'épaisseur des produits d'isolation pour sol flottant (ISO 29770:2022)

**Ta slovenski standard je istoveten z: EN ISO 29770:2022**

---

**ICS:**

91.060.30	Stropi. Tla. Stopnice	Ceilings. Floors. Stairs
91.100.60	Materiali za toplotno in zvočno izolacijo	Thermal and sound insulating materials

**SIST EN ISO 29770:2022** **en,fr,de**



EUROPEAN STANDARD

EN ISO 29770

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2022

ICS 91.100.60

Supersedes EN 12431:2013

English Version

## Thermal insulating products for building applications - Determination of thickness for floating-floor insulating products (ISO 29770:2022)

Produits isolants thermiques destinés aux applications  
du bâtiment - Détermination de l'épaisseur des  
produits d'isolation pour sol flottant (ISO 29770:2022)

Wärmedämmstoffe für das Bauwesen - Bestimmung  
der Dicke von Dämmstoffen unter schwimmendem  
Estrich (ISO 29770:2022)

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

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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 United Kingdom.



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

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

Contents	Page
European foreword.....	3

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN ISO 29770:2022

<https://standards.iteh.ai/catalog/standards/sist/20e9c3be-3023-4888-a428-fd1fd6c6a156/sist-en-iso-29770-2022>

## European foreword

This document (EN ISO 29770:2022) 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 12431:2013.

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.

(standards.iteh.ai)

## Endorsement notice

SIST EN ISO 29770:2022

The text of ISO 29770:2022 has been approved by CEN as EN ISO 29770:2022 without any modification.



INTERNATIONAL  
STANDARD

ISO  
29770

Second edition  
2022-08

---

---

**Thermal insulating products  
for building applications —  
Determination of thickness for  
floating-floor insulating products**

*Produits isolants thermiques destinés aux applications du bâtiment —  
Détermination de l'épaisseur des produits d'isolation pour sol flottant*

iTeh STANDARD PREVIEW  
(standards.iteh.ai)

SIST EN ISO 29770:2022

<https://standards.iteh.ai/catalog/standards/sist/20e9c3be-3023-4888-a428-fd1fd6c6a156/sist-en-iso-29770-2022>



Reference number  
ISO 29770:2022(E)

© ISO 2022

# iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 29770:2022

<https://standards.iteh.ai/catalog/standards/sist/20e9c3be-3023-4888-a428-fd1fdb6a156/sist-en-iso-29770-2022>



## **COPYRIGHT PROTECTED DOCUMENT**

© ISO 2022

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland



# Contents

Page

Foreword.....	iv
<b>1 Scope.....</b>	<b>1</b>
<b>2 Normative references.....</b>	<b>1</b>
<b>3 Terms and definitions.....</b>	<b>1</b>
<b>4 Principle.....</b>	<b>1</b>
<b>5 Apparatus.....</b>	<b>1</b>
<b>6 Test specimens.....</b>	<b>2</b>
6.1 Dimensions of test specimens.....	2
6.2 Number of test specimens.....	2
6.3 Preparation of the test specimens.....	2
6.4 Conditioning of test specimens.....	2
<b>7 Procedure.....</b>	<b>3</b>
7.1 Test conditions.....	3
7.2 Test procedure.....	3
7.2.1 General.....	3
7.2.2 Thickness, $d_L$ .....	3
7.2.3 Thicknesses $d_F$ and $d_B$ .....	3
<b>8 Calculation and expression of results.....</b>	<b>4</b>
<b>9 Accuracy of measurement.....</b>	<b>4</b>
<b>10 Test report.....</b>	<b>4</b>

SIST EN ISO 29770:2022

<https://standards.iteh.ai/catalog/standards/sist/20e9c3be-3023-4888-a428-fd1fdb6a156/sist-en-iso-29770-2022>

## ISO 29770:2022(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](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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](http://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 29770:2008), which has been technically revised.

The main changes are as follows:

- the terms and definitions in [Clause 3](#) have been removed and replaced in [7.2.2](#) and [7.2.3](#);
- 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](http://www.iso.org/members.html).