
Toplotnoizolacijski proizvodi za uporabo v gradbeništvu - Ugotavljanje odpornosti proti ponavljajočemu zamrzovanju in taljenju (ISO 16546:2020)

Thermal insulating products for building applications - Determination of freeze-thaw resistance (ISO 16546:2020)

Wärmedämmstoffe für das Bauwesen - Bestimmung des Verhaltens bei Frost-Tau-Wechselbeanspruchung (ISO 16546:2020)

Produits isolants thermiques destinés aux applications du bâtiment - Détermination de la résistance aux effets du gel-dégel (ISO 16546:2020)

<https://standards.iteh.ai/catalog/standards/sist/78d7e791-36b1-4de2-a729-9615151e6c32/sist-en-iso-16546-2020>

Ta slovenski standard je istoveten z: EN ISO 16546:2020

ICS:

91.100.60	Materiali za toplotno in zvočno izolacijo	Thermal and sound insulating materials
-----------	---	--

SIST EN ISO 16546:2020**en,fr,de**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 16546:2020](#)

<https://standards.iteh.ai/catalog/standards/sist/78d7e791-36b1-4de2-a729-9615151c6c32/sist-en-iso-16546-2020>

EUROPEAN STANDARD

EN ISO 16546

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2020

ICS 91.100.60

English Version

Thermal insulating products for building applications - Determination of freeze-thaw resistance (ISO 16546:2020)

Produits isolants thermiques destinés aux applications
du bâtiment - Détermination de la résistance aux effets
du gel-dégel (ISO 16546:2020)

Wärmedämmstoffe für das Bauwesen - Bestimmung
des Verhaltens bei Frost-Tau-Wechselbeanspruchung
(ISO 16546:2020)

This European Standard was approved by CEN on 21 June 2020.

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, Turkey 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 16546:2020](https://standards.iteh.ai/catalog/standards/sist/78d7e791-36b1-4de2-a729-9615151c6c32/sist-en-iso-16546-2020)
<https://standards.iteh.ai/catalog/standards/sist/78d7e791-36b1-4de2-a729-9615151c6c32/sist-en-iso-16546-2020>

European foreword

This document (EN ISO 16546:2020) 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 2021, and conflicting national standards shall be withdrawn at the latest by January 2021.

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.

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, Turkey and the United Kingdom.

Endorsement notice

iTeh STANDARD PREVIEW
(standards.iteh.ai)

The text of ISO 16546:2020 has been approved by CEN as EN ISO 16546:2020 without any modification.

[SIST EN ISO 16546:2020](https://standards.iteh.ai/catalog/standards/sist/78d7e791-36b1-4de2-a729-9615151c6c32/sist-en-iso-16546-2020)

<https://standards.iteh.ai/catalog/standards/sist/78d7e791-36b1-4de2-a729-9615151c6c32/sist-en-iso-16546-2020>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 16546:2020

<https://standards.iteh.ai/catalog/standards/sist/78d7e791-36b1-4de2-a729-9615151c6c32/sist-en-iso-16546-2020>

INTERNATIONAL
STANDARD

ISO
16546

Second edition
2020-06

**Thermal insulating products
for building applications —
Determination of freeze-thaw
resistance**

*Produits isolants thermiques destinés aux applications du bâtiment —
Détermination de la résistance aux effets du gel-dégel*

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 16546:2020](https://standards.iteh.ai/catalog/standards/sist/78d7e791-36b1-4de2-a729-9615151c6c32/sist-en-iso-16546-2020)

<https://standards.iteh.ai/catalog/standards/sist/78d7e791-36b1-4de2-a729-9615151c6c32/sist-en-iso-16546-2020>



Reference number
ISO 16546:2020(E)

© ISO 2020

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 16546:2020

<https://standards.iteh.ai/catalog/standards/sist/78d7e791-36b1-4de2-a729-9615151c6c32/sist-en-iso-16546-2020>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2020

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
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword.....	iv
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Principle.....	1
5 Apparatus.....	2
6 Test specimens.....	2
6.1 General.....	2
6.2 Dimensions of test specimens.....	2
6.3 Number of test specimens.....	2
6.4 Preparation of test specimens.....	2
6.5 Conditioning of test specimens.....	3
7 Procedure.....	3
7.1 General.....	3
7.2 Preliminary tests.....	3
7.3 Water absorption frost thaw cycling.....	4
7.4 Compression behaviour.....	4
7.5 Interruption of the procedure.....	4
8 Calculation and expression of results.....	5
8.1 Water absorption.....	5
8.2 Changes in the compression behaviour.....	6
9 Test report.....	6

[SIST EN ISO 16546:2020](https://standards.iteh.ai/catalog/standards/sist/78d7e791-36b1-4de2-a729-9615151c6c32/sist-en-iso-16546-2020)
<https://standards.iteh.ai/catalog/standards/sist/78d7e791-36b1-4de2-a729-9615151c6c32/sist-en-iso-16546-2020>