

SLOVENSKI STANDARD oSIST prEN ISO 16546:2019

01-maj-2019

Toplotnoizolacijski proizvodi za uporabo v gradbeništvu - Ugotavljanje odpornosti proti ponavljajočemu zmrzovanju in taljenju (ISO/DIS 16546:2019)

Thermal insulating products for building applications - Determination of freeze-thaw resistance (ISO/DIS 16546:2019)

Wärmedämmstoffe für das Bauwesen - Bestimmung des Verhaltens bei Frost-Tau-Wechselbeanspruchung (ISO/DIS 16546:2019)

Produits isolants thermiques destinés aux applications du bâtiment - Détermination de la résistance aux effets du gel-dégel (ISO/DIS 16546:2019)

Ta slovenski standard je istoveten z: prEN ISO 16546

ICS:

91.100.60 Materiali za toplotno in

zvočno izolacijo

Thermal and sound insulating

materials

oSIST prEN ISO 16546:2019 en,fr,de

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DRAFT INTERNATIONAL STANDARD ISO/DIS 16546

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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

ICS: 91.100.60

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ISO/CEN PARALLEL PROCESSING



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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 16546 was prepared by Technical Committee ISO/TC 163, Thermal performance and energy use in the built environment, Subcommittee SC 1, Test and measurement methods.

ISO 16546 includes the original EN 12091 prepared by Technical Committee CEN/TC 88 "Thermal insulating materials and products", with the following clauses modified to reflect the conditions for tropical countries:

- Clause 6.4: Conditioning of test specimens;
- Clause 10: Test report.

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Introduction

ISO 16546 is one of a series of existing European Standards on test methods which were adopted by ISO. This group of International Standards comprises the following group of interrelated standards:

ISO	Title	Respective EN standard
12344	Thermal insulating products for building applications — Determination of bending behaviour	EN 12089
12968	Thermal insulation products for building applications — Determination of the pull-off resistance of external thermal insulation composite systems (ETICS) (foam block test)	EN 13495
29465	Thermal insulating products for building applications — Determination of length and width	EN 822
29466	Thermal insulating products for building applications — Determination of thickness	EN 823
29467	Thermal insulating products for building applications — Determination of squareness	EN 824
29468	Thermal insulating products for building applications — Determination of flatness	EN 825
29469	Thermal insulating products for building applications — Determination of compression behaviour	EN 826
29470	Thermal insulating products for building applications — Determination of the apparent density	EN 1602
29471	Thermal insulating products for building applications — Determination of dimensional stability under constant normal laboratory conditions (23 °C/50 % relative humidity)	EN 1603
29472	Thermal insulating products for building applications — Determination of dimensional stability under specified temperature and humidity conditions	EN 1604
29764	Thermal insulating products for building applications — Determination of deformation under specified compressive load and temperature conditions	EN 1605
29765	Thermal insulating products for building applications — Determination of tensile strength perpendicular to faces	EN 1607
29766	Thermal insulating products for building applications — Determination of tensile strength parallel to faces	EN 1608
29767	Thermal insulating products for building applications — Determination of short-term water absorption by partial immersion	EN 1609
29768	Thermal insulating products for building applications — Determination of linear dimensions of test specimens	EN 12085

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29769	Thermal insulating products for building applications — Determination of behaviour under point load	EN 12430	
29770	Thermal insulating products for building applications — Determination of thickness for floating-floor insulating products	EN 12431	
29771	Thermal insulating materials for building applications — Determination of organic content	EN 13820	
29803	Thermal insulation products for building applications — Determination of the resistance to impact of external thermal insulation composite systems (ETICS)	EN 13497	
29804	Thermal insulation products for building applications — Determination of the tensile bond strength of the adhesive and of the base coat to the thermal insulation material	EN 13494	
29805	Thermal insulation products for building applications — Determination of the mechanical properties of glass fibre meshes	EN 13496	
16534	Thermal insulating products for building applications — Determination of compressive creep	EN 1606	
16535	Thermal insulating products for building applications — Determination of long-term water absorption by immersion	EN 12087	
16536	Thermal insulating products for building applications — Determination of long-term water absorption by diffusion	EN 12088	
16537	Thermal insulating products for building applications — Determination of shear behaviour <u>SIST EN ISO 16546:2020</u>	EN 12090	
16546	Thermal insulating products for building applications — Determination of freeze-thaw resistance	EN 12091	
16544	Thermal insulating products for building applications — Conditioning to moisture equilibrium under specified temperature and humidity conditions	EN 12429	
16545	Thermal insulating products for building applications — Determination of behaviour under cyclic loading	EN 13793	
A further group of existing European Standards on test methods for products used to insulate building equipment and industrial installations comprises the following group of interrelated International Standards:			
ISO 12623	Thermal insulating products for building equipment and industrial installations — Determination of short-term water absorption by partial immersion of preformed pipe insulation	EN 13472	

ISO 12624	Thermal insulating products for building equipment and industrial installations — Determination of trace quantities of water soluble chloride, fluoride, silicate, sodium ions and pH	EN 13468
ISO 12628	Thermal insulating products for building equipment and industrial installations — Determination of dimensions, squareness and linearity of preformed pipe insulation	EN 13467
ISO 12629	Thermal insulating products for building equipment and industrial installations — Determination of water vapour transmission properties of preformed pipe insulation	EN 13469

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