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AMENDMENT 1
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**Thermal insulating products
for building applications —
Determination of dimensional
stability under specified temperature
and humidity conditions**

AMENDMENT 1

*Produits isolants thermiques destinés aux applications du bâtiment —
Détermination de la stabilité dimensionnelle dans des conditions de
température et d'humidité spécifiées*

AMENDEMENT 1



Reference number
ISO 29472:2008/Amd.1:2014(E)

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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).

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).

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

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 163, *Thermal performance and energy use in the built environment*, Subcommittee SC 1, *Test and measurement methods*.

Thermal insulating products for building applications — Determination of dimensional stability under specified temperature and humidity conditions

AMENDMENT 1

Page V, Introduction

Replace the existing Introduction with the following:

This International Standard comprises the original EN 1604:1996 and EN 1604:1996/AC:1997 prepared by Technical Committee CEN/TC 88, *Thermal insulating materials and products*, which have been amended by ISO/TC 163/SC 1 with reference to conditioning and testing conditions in tropical countries.

This International Standard is one of a series of documents specifying test methods, based on existing European Standards, that are being adopted by ISO. This “package” of standards includes the following group of interrelated documents.

ISO standard	Title	Respective EN standard
ISO 12344	Thermal insulating products for building applications — Determination of bending behaviour	EN 12089
ISO 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
ISO 29465	Thermal insulating products for building applications — Determination of length and width	EN 822
ISO 29466	Thermal insulating products for building applications — Determination of thickness	EN 823
ISO 29467	Thermal insulating products for building applications — Determination of squareness	EN 824
ISO 29468	Thermal insulating products for building applications — Determination of flatness	EN 825
ISO 29469	Thermal insulating products for building applications — Determination of compression behaviour	EN 826
ISO 29470	Thermal insulating products for building applications — Determination of the apparent density	EN 1602
ISO 29471	Thermal insulating products for building applications — Determination of dimensional stability under constant normal laboratory conditions (23 degrees C/50 % relative humidity or in tropical countries 27 °C/65 % relative humidity)	EN 1603
ISO 29472	Thermal insulating products for building applications — Determination of dimensional stability under specified temperature and humidity conditions	EN 1604

ISO standard	Title	Respective EN standard
ISO 29764	Thermal insulating products for building applications — Determination of deformation under specified compressive load and temperature conditions	EN 1605
ISO 29765	Thermal insulating products for building applications — Determination of tensile strength perpendicular to faces	EN 1607
ISO 29766	Thermal insulating products for building applications — Determination of tensile strength parallel to faces	EN 1608
ISO 29767	Thermal insulating products for building applications — Determination of short-term water absorption by partial immersion	EN 1609
ISO 29768	Thermal insulating products for building applications — Determination of linear dimensions of test specimens	EN 12085
ISO 29769	Thermal insulating products for building applications — Determination of behaviour under point load	EN 12430
ISO 29770	Thermal insulating products for building applications — Determination of thickness for floating-floor insulating products	EN 12431
ISO 29771	Thermal insulating materials for building applications — Determination of organic content	EN 13820
ISO 29803	Thermal insulation products for building applications — Determination of the resistance to impact of external thermal insulation composite systems (ETICS)	EN 13497
ISO 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
ISO 29805	Thermal insulation products for building applications — Determination of the mechanical properties of glass fibre meshes	EN 13496
ISO 16534	Thermal insulating products for building applications — Determination of compressive creep	EN 1606
ISO 16535	Thermal insulating products for building applications — Determination of long-term water absorption by immersion	EN 12087
ISO 16536	Thermal insulating products for building applications — Determination of long-term water absorption by diffusion	EN 12088
ISO 16537	Thermal insulating products for building applications — Determination of shear behaviour	EN 12090
ISO 16544	Thermal insulating products for building applications — Conditioning to moisture equilibrium under specified temperature and humidity conditions	EN 12429
ISO 16545	Thermal insulating products for building applications — Determination of behaviour under cyclic loading	EN 13793
ISO 16546	Thermal insulating products for building applications — Determination of freeze–thaw resistance	EN 12091

A further series of existing European Standards on test methods for products used to insulate building equipment and industrial installations was adopted by ISO. This “package” of standards comprises the following group of interrelated standards:

ISO standard	Title	Respective EN standard
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 insulation products — 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
ISO 18096	Thermal insulating products for building equipment and industrial installations — Determination of maximum service temperature for preformed pipe insulation	EN 14707
ISO 18097	Thermal insulating products for building equipment and industrial installations — Determination of maximum service temperature	EN 14706
ISO 18098	Thermal insulating products for building equipment and industrial installations — Determination of the apparent density of preformed pipe insulation	EN 13470
ISO 18099	Thermal insulating products for building equipment and industrial installations — Determination of the coefficient of thermal expansion	EN 13471

The Application of Agreement on technical cooperation between ISO and CEN (Vienna Agreement), Modes 1, 2, 4, and 5, was not approved by CEN/TC 88 and the necessity not seen by its stakeholders.

Page 4, subclause 7.2

Add the second sentence to the existing paragraph:

7.2.5 Remove the specimens after exposure to the test atmosphere and expose them for a further (3 ± 1) h at (23 ± 2) °C and (50 ± 5) % relative humidity. In tropical countries, the temperature and humidity can be (27 ± 2) °C and (65 ± 5) % relative humidity and this shall be stated clearly in the test report.

