



SLOVENSKI STANDARD SIST EN ISO 10140-2:2010

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Nadomešča:

SIST EN 20140-10:1997

SIST EN ISO 140-1:1998

SIST EN ISO 140-1:1998/A1:2005

SIST EN ISO 140-11:2005

SIST EN ISO 140-16:2006

SIST EN ISO 140-3:1997

SIST EN ISO 140-8:1998

**Akustika - Laboratorijsko merjenje zvočne izolirnosti gradbenih elementov - 2. del:
Merjenje izolirnosti pred zvokom v zraku (ISO 10140-2:2010)**

Acoustics - Laboratory measurement of sound insulation of building elements - Part 2:
Measurement of airborne sound insulation (ISO 10140-2:2010)

Akustik - Messung der Schalldämmung von Gebäudeteilen im Prüfstand - Teil 2:
Messung der Luftschalldämmung (ISO 10140-2:2010)

Acoustique - Détermination de l'isolation acoustique des éléments de construction -
Partie 2: Mesurage de l'isolation des bruits aériens (ISO 10140-2:2010)

Ta slovenski standard je istoveten z: EN ISO 10140-2:2010

ICS:

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91.120.20	Akustika v stavbah. Zvočna izolacija	Acoustics in building. Sound insulation

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en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 10140-2

September 2010

ICS 91.120.20

Supersedes EN 20140-10:1992, EN ISO 140-1:1997, EN ISO 140-11:2005, EN ISO 140-16:2006, EN ISO 140-3:1995, EN ISO 140-6:1998, EN ISO 140-8:1997

English Version

Acoustics - Laboratory measurement of sound insulation of building elements - Part 2: Measurement of airborne sound insulation (ISO 10140-2:2010)

Acoustique - Mesurage en laboratoire de l'isolation acoustique des éléments de construction - Partie 2: Mesurage de l'isolation au bruit aérien (ISO 10140-2:2010)

Akustik - Messung der Schalldämmung von Gebäudeteilen im Prüfstand - Teil 2: Messung der Luftschalldämmung (ISO 10140-2:2008)

This European Standard was approved by CEN on 14 August 2010.

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 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 Management Centre has the same status as the official versions.

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Foreword

This document (EN ISO 10140-2:2010) has been prepared by Technical Committee ISO/TC 43 "Acoustics" in collaboration with Technical Committee CEN/TC 126 "Acoustic properties of building elements and of buildings" the secretariat of which is held by AFNOR.

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 2011, and conflicting national standards shall be withdrawn at the latest by March 2011.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 20140-10:1992, EN ISO 140-6:1998, EN ISO 140-11:2005, EN ISO 140-8:1997, EN ISO 140-1:1997, EN ISO 140-16:2006, EN ISO 140-3:1995.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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INTERNATIONAL STANDARD

ISO 10140-2

First edition
2010-09-01

Acoustics — Laboratory measurement of sound insulation of building elements — Part 2: Measurement of airborne sound insulation

iTeh STANDARD PREVIEW
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*Acoustique — Mesurage en laboratoire de l'isolation acoustique des
éléments de construction —
Partie 2: Mesurage de l'isolation au bruit aérien*

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ISO 10140-2:2010(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.

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 10140-2 was prepared by Technical Committee ISO/TC 43, *Acoustics*, Subcommittee SC 2, *Building acoustics*.

This first edition of ISO 10140-2, together with ISO 10140-1, ISO 10140-3, ISO 10140-4 and ISO 10140-5, cancels and replaces ISO 140-1:1997, ISO 140-3:1995, ISO 140-6:1998, ISO 140-8:1997, ISO 140-10:1991, ISO 140-11:2005 and ISO 140-16:2006, which have been technically revised.

It also incorporates the Amendments ISO 140-1:1997/Amd.1:2004 and ISO 140-3:1995/Amd.1:2004.

ISO 10140 consists of the following parts, under the general title *Acoustics — Laboratory measurement of sound insulation of building elements*:

- *Part 1: Application rules for specific products*
- *Part 2: Measurement of airborne sound insulation*
- *Part 3: Measurement of impact sound insulation*
- *Part 4: Measurement procedures and requirements*
- *Part 5: Requirements for test facilities and equipment*

Introduction

ISO 10140 (all parts) concerns laboratory measurement of the sound insulation of building elements (see Table 1).

ISO 10140-1 specifies the application rules for specific elements and products, including specific requirements for preparation, mounting, operating and test conditions. This part of ISO 10140 and ISO 10140-3 contain the general procedures for airborne and impact sound insulation measurements, respectively, and refer to ISO 10140-4 and ISO 10140-5 where appropriate. For elements and products without a specific application rule described in ISO 10140-1, it is possible to apply this part of ISO 10140 and ISO 10140-3. ISO 10140-4 contains basic measurement techniques and processes. ISO 10140-5 contains requirements for test facilities and equipment. For the structure of ISO 10140 (all parts), see Table 1.

ISO 10140 (all parts) was created to improve the layout for laboratory measurements, ensure consistency and simplify future changes and additions regarding mounting conditions of test elements in laboratory and field measurements. It is intended for ISO 10140 (all parts) to present a well-written and arranged format for laboratory measurements.

It is intended to update ISO 10140-1 with application rules for other products. It is also intended to incorporate ISO 140-18 into ISO 10140 (all parts).

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