

SLOVENSKI STANDARD SIST EN ISO 10140-4:2010

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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 140-3:1997/A1:2005

SIST EN ISO 140-6:1999

SIST EN ISO 140-8:1998

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Akustika - Laboratorijsko merjenje zvočne izolirnosti gradbenih elementov - 4. del: Merilni postopki in zahteve (ISO 10140-4:2010)-4:2010 https://standards.iteh.ai/catalog/standards/sist/1ae5bab6-af8d-4b00-8b14-

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Acoustics - Laboratory measurement of sound insulation of building elements - Part 4: Measurement procedures and requirements (ISO 10140-4:2010)

Akustik - Messung der Schalldämmung von Gebäudeteilen im Prüfstand - Teil 4: Messverfahren und Anforderungen (ISO 10140-4:2010)

Acoustique - Détermination de l'isolation acoustique des éléments de construction -Partie 4: Modes opératoires et exigences de mesure (ISO 10140-4:2010)

Ta slovenski standard je istoveten z: EN ISO 10140-4:2010

ICS:

91.120.20

Akustika v stavbah. Zvočna Acoustics in building. Sound

izolacija

insulation

SIST EN ISO 10140-4:2010

en

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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

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English Version

Acoustics - Laboratory measurement of sound insulation of building elements - Part 4: Measurement procedures and requirements (ISO 10140-4:2010)

Acoustique - Mesurage en laboratoire de l'isolation acoustique des éléments de construction - Partie 4: Exigences et modes opératoires de mesure (ISO 10140-4:2010)

Akustik - Messung der Schalldämmung von Gebäudeteilen im Prüfstand - Teil 4: Messverfahren und Anforderungen (ISO 10140-4:2010)

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

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

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Contents	Page
Foreword	

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 10140-4:2010

https://standards.iteh.ai/catalog/standards/sist/1ae5bab6-af8d-4b00-8b14-e631c748b8c2/sist-en-iso-10140-4-2010

Foreword

This document (EN ISO 10140-4:2010) 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 ISO 140-1:1997, EN ISO 140-8:1997, EN ISO 140-11:2005, EN 20140-10:1992, EN ISO 140-3:1995, EN ISO 140-6:1998, EN ISO 140-16:2006.

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INTERNATIONAL STANDARD

ISO 10140-4

First edition 2010-09-01

Acoustics — Laboratory measurement of sound insulation of building elements —

Part 4:

Measurement procedures and requirements

TAcoustique — Mesurage en laboratoire de l'isolation acoustique des éléments de construction —

Partie 4: Exigences et modes opératoires de mesure

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Cont	ents	Page
Forewo	ord	iv
Introdu	uction	v
1	Scope	1
2	Normative references	
3	Terms and definitions	1
4	Measurement procedures and requirements	2
5	Sound insulation measurements	8
Annex	A (informative) Additional procedures for measurements at low frequencies	10
Bibliog	graphy	12

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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 10140-4 was prepared by Technical Committee ISO/TC 43, Acoustics, Subcommittee SC 2, Building acoustics.

This first edition of ISO 10140-4, together with ISO 10140-1, ISO 10140-2, ISO 10140-3 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. ISO 10140-2 and ISO 10140-3 contain the general procedures for airborne and impact sound insulation measurements, respectively, and refer to this part of ISO 10140 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 ISO 10140-2 and ISO 10140-3. This part of ISO 10140 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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