

SLOVENSKI STANDARD
SIST EN ISO 10848-2:2006
01-julij-2006

Nadomešča:
SIST EN 20140-9:1997
SIST EN ISO 140-12:2001

Akustika - Laboratorijsko merjenje bočnega prenosa zvoka v zraku in udarnega zvoka med mejnimi prostori - 2. del: Uporaba lahkih elementov pri majhnem vplivu stikov (ISO 10848-2:2006)

Acoustics - Laboratory measurement of the flanking transmission of airborne and impact sound between adjoining rooms - Part 2: Application to light elements when the junction has a small influence (ISO 10848-2:2006)

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Akustik - Messung der Flankenübertragung von Luftschall und Trittschall zwischen benachbarten Räumen in Prüfständen - Teil 2: Anwendung auf leichte Bauteile, wenn die Verbindung geringen Einfluss hat (ISO 10848-2:2006)

Acoustique - Mesurage en laboratoire des transmissions latérales du bruit aérien et des bruits de choc entre pieces adjacentes - Partie 2: Application aux éléments légers lorsque la jonction a une faible influence (ISO 10848-2:2006)

Ta slovenski standard je istoveten z: EN ISO 10848-2:2006

ICS:

17.140.01	Akustična merjenja in blaženje hrupa na splošno	Acoustic measurements and noise abatement in general
91.120.20	Akustika v stavbah. Zvočna izolacija	Acoustics in building. Sound insulation

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 10848-2

April 2006

ICS 91.120.20

English Version

Acoustics - Laboratory measurement of the flanking transmission of airborne and impact sound between adjoining rooms - Part 2: Application to light elements when the junction has a small influence (ISO 10848-2:2006)

Acoustique - Mesurage en laboratoire des transmissions latérales du bruit aérien et des bruits de choc entre pièces adjacentes - Partie 2: Application aux éléments légers lorsque la jonction a une faible influence (ISO 10848-2:2006)

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This European Standard was approved by CEN on 16 March 2006.

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COMITÉ EUROPÉEN DE NORMALISATION
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Management Centre: rue de Stassart, 36 B-1050 Brussels

EN ISO 10848-2:2006 (E)**Foreword**

This document (EN ISO 10848-2:2006) has been prepared by Technical Committee CEN/TC 126 "Acoustic properties of building elements and of buildings", the secretariat of which is held by AFNOR, in collaboration with Technical Committee ISO/TC 43 "Acoustics".

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 October 2006, and conflicting national standards shall be withdrawn at the latest by October 2006.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, 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 United Kingdom.

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INTERNATIONAL
STANDARDISO
10848-2First edition
2006-04-01

**Acoustics — Laboratory measurement of
the flanking transmission of airborne and
impact sound between adjoining
rooms —**

Part 2:

**Application to light elements when the
junction has a small influence**
iTeh STANDARD PREVIEW
(standards.iteh.ai)*Acoustique — Mesurage en laboratoire des transmissions latérales du
bruit aérien et des bruits de choc entre des pièces adjacentes —*[https://standards.iteh.ai/catalog/standards/sist/8636c239-865b-4219-a5b8-](https://standards.iteh.ai/catalog/standards/sist/8636c239-865b-4219-a5b8-59187e0d2754/iso-10848-2:2006)*Partie 2: Application aux éléments légers lorsque la jonction a une faible
influence*Reference number
ISO 10848-2:2006(E)

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Published in Switzerland

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ISO 10848-2:2006(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 10848-2 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 126, *Acoustic properties of building elements and of buildings*, in collaboration with Technical Committee ISO/TC 43, *Acoustics*, Subcommittee SC 2, *Building acoustics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This first edition cancels and replaces EN 20140-9 and ISO 140-12.

ISO 10848 consists of the following parts, under the general title *Acoustics — Laboratory measurement of the flanking transmission of airborne and impact sound between adjoining rooms*:

- Part 1: *Frame document*
- Part 2: *Application to light elements when the junction has a small influence*
- Part 3: *Application to light elements when the junction has a substantial influence*

The following part is under preparation:

- Part 4: *Application to all other cases*

Acoustics — Laboratory measurement of the flanking transmission of airborne and impact sound between adjoining rooms —

Part 2: Application to light elements when the junction has a small influence

1 Scope

ISO 10848 specifies measurement methods to be performed in a laboratory test facility in order to characterize the flanking transmission of one or several building components.

The measured quantities may be used to compare different products, or to express a requirement, or as input data for prediction methods, such as EN 12354-1 and EN 12354-2.

This part of ISO 10848 is specifically referred to in ISO 10848-1:2006, 4.4, as being a supporting part of the frame document.

This part of ISO 10848 applies to light elements such as suspended ceilings, access floors, light uninterrupted façades or floating floors. The transmission from one room to another can be simultaneous through the test element and via the plenum, if any. With measurements according to this part of ISO 10848, the total sound transmission is measured, and it is not possible to separate the two kinds of transmission. The measured quantities $D_{n,f}$ and $L_{n,f}$ depend on the actual dimensions of the test specimen.

A light element is defined in ISO 10848-1:2006, Clause 3.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 140-2, *Acoustics — Measurement of sound insulation in buildings and of building elements — Part 2: Determination, verification and application of precision data*

ISO 140-3:1995, *Acoustics — Measurement of sound insulation in buildings and of building elements — Part 3: Laboratory measurements of airborne sound insulation of building elements*

ISO 140-6:1998, *Acoustics — Measurement of sound insulation in buildings and of building elements — Part 6: Laboratory measurements of impact sound insulation of floors*

ISO 354, *Acoustics — Measurement of sound absorption in a reverberation room*

ISO 717-1, *Acoustics — Rating of sound insulation in buildings and of building elements — Part 1: Airborne sound insulation*