

STN	Akustika Laboratórne meranie bočného prenosu zvuku šíriaceho sa vzduchom a krokovým hlukom medzi susediacimi miestnosťami Časť 2: Aplikácia na konštrukčné prvky s malým vplyvom spoja (ISO 10848-2: 2017)	STN EN ISO 10848-2 73 0509
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Acoustics - Laboratory and field measurement of flanking transmission for airborne, impact and building service equipment sound between adjoining rooms - Part 2: Application to Type B elements when the junction has a small influence (ISO 10848-2:2017)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 03/18

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Acoustics - Laboratory and field measurement of flanking transmission for airborne, impact and building service equipment sound between adjoining rooms - Part 2: Application to Type B elements when the junction has a small influence (ISO 10848-2:2017)

Acoustique - Mesurage en laboratoire et sur le terrain des transmissions latérales du bruit aérien, des bruits de choc et du bruit d'équipement technique de bâtiment entre des pièces - Partie 2: Application aux éléments de Type B lorsque la jonction a une faible influence (ISO 10848-2:2017)

Akustik - Messung der Flankenübertragung von Luftschall, Trittschall und Schall von Gebäudetechnischen Anlagen zwischen benachbarten Räumen im Prüfstand und am Bau - Teil 2: Anwendung auf Typ B-Bauteile, wenn die Verbindung geringen Einfluss hat (ISO 10848-2:2017)

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EN ISO 10848-2:2017 (E)

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European foreword

This document (EN ISO 10848-2:2017) 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of an identical text or by endorsement, at the latest by April 2018 and conflicting national standards shall be withdrawn at the latest by April 2018.

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

This document supersedes EN ISO 10848-2:2006.

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Endorsement notice

The text of ISO 10848-2:2017 has been approved by CEN as EN ISO 10848-2:2017 without any modification.

INTERNATIONAL STANDARD

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Acoustics — Laboratory and field measurement of flanking transmission for airborne, impact and building service equipment sound between adjoining rooms —

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

*Acoustique — Mesurage en laboratoire et sur le terrain des
transmissions latérales du bruit aérien, des bruits de choc et du bruit
d'équipement technique de bâtiment entre des pièces —*

*Partie 2: Application aux éléments de Type B lorsque la jonction a une
faible influence*



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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).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

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

This second edition cancels and replaces the first edition (ISO 10848-2:2006), which has been technically revised. It also incorporates the Technical Corrigendum ISO 10848-2:2006/Cor. 1:2007. The main change is that the normalized flanking equipment sound pressure level has been introduced and it has been indicated that this document applies to Type B elements.

A list of all the parts in the ISO 10848 series can be found on the ISO website.

Acoustics — Laboratory and field measurement of flanking transmission for airborne, impact and building service equipment sound between adjoining rooms —

Part 2:

Application to Type B elements when the junction has a small influence

1 Scope

ISO 10848 (all parts) specifies measurement methods to characterize the flanking transmission of one or several building components. This document considers only laboratory measurements.

The measured quantities can be used to compare different products, or to express a requirement, or as input data for prediction methods, such as ISO 12354-1 and ISO 12354-2. However, the measured quantities $D_{n,f}$, $L_{n,f}$ and $L_{ne0,f}$ only represent the performance with the dimensions for the test specimens described in this document.

This document is referred to in ISO 10848-1:2017, 4.5 as being a supporting part of the frame document. It applies to Type B elements as defined in ISO 10848-1, such as suspended ceilings, access floors, light uninterrupted façades or floating floors. The transmission from one room to another can occur simultaneously through the test element and via the plenum (if any). For measurements made according to this document, the total sound transmission is determined and it is not possible to separate the two kinds of transmission.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 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*

ISO 717-2, *Acoustics — Rating of sound insulation in buildings and of building elements — Part 2: Impact sound insulation*

ISO 10848-1:2017, *Acoustics — Laboratory and field measurement of flanking transmission for airborne, impact and building service equipment sound between adjoining rooms — Part 1: Frame document*

ISO 12999-1, *Acoustics — Determination and application of measurement uncertainties in building acoustics — Part 1: Sound insulation*

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