

BS EN ISO 10848-4:2010



BSI Standards Publication

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

Part 4: Application to junctions with at least one heavy element (ISO 10848-4:2010)

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National foreword

This British Standard is the UK implementation of EN ISO 10848-4:2010.

The UK participation in its preparation was entrusted to Technical Committee EH/1/6, Building acoustics.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Compliance with a British Standard cannot confer immunity from legal obligations.

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Amendments issued since publication

Date	Text affected
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English Version

Acoustics - Laboratory measurement of the flanking
transmission of airborne and impact sound between adjoining
rooms - Part 4: Application to junctions with at least one heavy
element (ISO 10848-4:2010)

Acoustique - Mesurage en laboratoire des transmissions
latérales du bruit aérien et des bruits de choc entre pièces
adjacentes - Partie 4: Application aux jonctions ayant au
moins un élément lourd (ISO 10848-4:2010)

Akustik - Messung der Flankenübertragung von Luftschall
und Trittschall zwischen benachbarten Räumen in
Prüfständen - Teil 4: Anwendung auf Stoßstellen mit
mindestens einem schweren Bauteil (ISO 10848-4:2010)

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Foreword

This document (EN ISO 10848-4:2010) 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of an identical text or by endorsement, at the latest by *February 2011*, and conflicting national standards shall be withdrawn at the latest by *February 2011*.

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Foreword

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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.

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ISO 10848-4 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 126, *Acoustics 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).

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*
- *Part 4: Application to junctions with at least one heavy element*

Introduction

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, normalized flanking level difference, normalized flanking impact sound pressure level or vibration reduction index, can be used to compare different products, or to express a requirement, or as input data for prediction methods, such as ISO 15712-1^[1] and ISO 15712-2^[2].