
Akustika - Laboratorijsko merjenje zmanjšanja prenosa udarnega zvoka preko talne obloge na majhnem vzorcu tal - 1. del: Težka kompaktna (ali betonska) tla (ISO 16251-1:2014)

Acoustics - Laboratory measurement of the reduction of transmitted impact noise by floor coverings on a small floor mock-up - Part 1: Heavyweight compact floor (ISO 16251-1:2014)

Akustik - Labormessung der Trittschallminderung von Deckenauflagen auf kleinflächigen Prüfdeckennachbildungen - Teil 1: Schwere Massivdecke (ISO 16251-1:2014)

Acoustique - Mesurage en laboratoire de la réduction de la transmission du bruit de choc par les revêtements de sol sur un plancher normalisé de dimensions réduites - Partie 1: Plancher lourd (ISO 16251-1:2014)

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EUROPEAN STANDARD
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English Version

**Acoustics - Laboratory measurement of the reduction of
transmitted impact noise by floor coverings on a small floor
mock-up - Part 1: Heavyweight compact floor (ISO 16251-
1:2014)**

Acoustique - Mesurage en laboratoire de la réduction de la
transmission du bruit de choc par les revêtements de sol
sur un plancher normalisé de dimensions réduites - Partie
1: Plancher lourd (ISO 16251-1:2014)

Akustik - Labormessung der Trittschallminderung von
Deckenauflagen auf kleinflächigen
Prüfdeckennachbildungen - Teil 1: Schwere Massivdecke
(ISO 16251-1:2014)

This European Standard was approved by CEN on 28 May 2014.

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Foreword

This document (EN ISO 16251-1:2014) 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of an identical text or by endorsement, at the latest by February 2015, and conflicting national standards shall be withdrawn at the latest by February 2015.

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**Acoustics — Laboratory measurement
of the reduction of transmitted impact
noise by floor coverings on a small
floor mock-up —**

Part 1:

Heavyweight compact floor

iTeh STANDARD PREVIEW

(standards.iteh.ai)
*Acoustique — Mesurage en laboratoire de la réduction de la
transmission du bruit de choc par les revêtements de sol sur un
plancher normalisé de dimensions réduites —*

SIST EN ISO 16251-1:2014

Partie 1: Plancher lourd

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ISO 16251-1:2014(E)

Foreword

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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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The committee responsible for this document is ISO/TC 43, *Acoustics*, Subcommittee SC 2, *Building acoustics*.

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ISO 16251 consists of the following parts, under the general title *Acoustics — Laboratory measurement of the reduction of transmitted impact noise by floor coverings on a small floor mock-up*:

— *Part 1: Heavyweight compact floor*

Introduction

The improvement of impact sound reduction is the main quantity for describing the acoustic behaviour of floor coverings. Its determination is described in the ISO 10140^[4] series and requires the use of a special test facility. This facility consists of two rooms (the lower one of at least 50 m³), separated by an approximately 14 cm thick concrete slab or a special timber joist floor. Manufacturers of floor coverings see the advantage of having their own test facilities, but the investment often is not affordable for small- and medium-sized enterprises. This part of ISO 16251 aims to reduce the effort for the determination of the impact sound reduction. A standardized test method is provided, which yields results comparable to those gained with the ISO 10140 series^[4].

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