

**Akustika. Heliisolatsiooni mõõtmise
hoonetes ja hooneteosadel. Osa 8:
Kaalult raske standardpõranda katete
löögimüra alandava mõju
laborimõõtmised**

Acoustics - Measurement of sound insulation in
buildings and of building elements - Part 8:
Laboratory measurements of the reduction of
transmitted impact noise by floor coverings on a
heavyweight standard floor

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 140-8:1999 sisaldab Euroopa standardi EN ISO 140-8:1997 ingliskeelset teksti. Käesolev dokument on jõustatud 23.11.1999 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN ISO 140-8:1999 consists of the English text of the European standard EN ISO 140-8:1997. This document is endorsed on 23.11.1999 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.
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Käsitlusala: Standard määrab kindlaks põrandakatete löögimüra ülekandvate omaduste mõõtmise laborimeetodi. Meetodit saab kasutada kõikide põrandakattetüüpide korral.	Scope:
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ICS 91.120.20

Võtmesõnad: akustika, akustilised katsed, akustilised mõõtmised, heliisolatsioon, hooned, katsed, kindlaksmääramine, laborikatsed, müra vähendamine, põrandakatted

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Descriptors: Acoustics, impact sound insulation, testing.

English version

Acoustics

**Measurement of sound insulation in buildings and
of building elements**

Part 8: Laboratory measurements of the reduction of impact noise transmitted
by floor coverings on a heavyweight standard floor
(ISO 140-8 : 1997)

Acoustique – Mesurage de l'isole-
ment acoustique des immeubles et
des éléments de construction –
Partie 8: Mesurages en laboratoire de
la réduction de la transmission du
bruit de choc par les revêtements de
sol sur un plancher lourd normalisé
(ISO 140-8 : 1997)

Akustik – Messung der Schall-
dämmung in Gebäuden und von
Bauteilen – Teil 8: Messung der
Trittschallminderung durch eine
Deckenauflage auf einer massiven
Bezugsdecke in Prüfständen
(ISO 140-8 : 1997)

This European Standard was approved by CEN on 1997-09-26.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

Foreword

International Standard

ISO 140-8 : 1997 Acoustics – Measurement of sound insulation in buildings and of building elements – Part 8: Laboratory measurements of the reduction of impact noise transmitted by floor coverings on a heavyweight standard floor,

which was prepared by ISO/TC 43 'Acoustic' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 126 'Acoustic properties of building products and of buildings', the Secretariat of which is held by AFNOR, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by April 1998 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 140-8 : 1997 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to international publications are listed in Annex ZA (normative).

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1 Scope

This part of ISO 140 specifies a method for measuring the acoustic properties of floor coverings from the view-point of reducing impact noise transmission. The purpose of this part of ISO 140 is to establish a method for determining the noise reducing value of a floor covering under standard test conditions. The test is limited to the specification of procedures for the physical measurement of sound originating from an artificial source (standard tapping machine) under laboratory conditions and is not directly related to the subjective significance of the results.

This part of ISO 140 is applicable to all floor coverings, whether single or multi-layered, as installed on a standard floor. In the case of multi-layered coverings, they may be factory-assembled or assembled at the test site. The test method applies only to laboratory measurements. It does not contain any provision that permits an assessment of the effectiveness of a floor covering *in situ*.

2 Normative reference(s)

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 140. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 140 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 140-1:1997, *Acoustics — Measurement of sound insulation in buildings and of building elements — Part 1: Requirements for laboratory test facilities with suppressed flanking transmission.*

ISO 140-2:1991, *Acoustics — Measurement of sound insulation in buildings and of building elements — Part 2: Determination, verification and application of precision data.*

ISO 140-6:— ¹⁾, *Acoustics — Measurement of sound insulation in buildings and of building elements — Part 6: Laboratory measurements of impact sound insulation of floors.*

ISO 140-7:— ²⁾, *Acoustics — Measurement of sound insulation in buildings and of building elements — Part 7: Field measurements of impact sound insulation of floors.*

ISO 354:1985, *Acoustics — Measurement of sound absorption in a reverberation room.*

ISO 717-2:1996, *Acoustics — Rating of sound insulation in buildings and of building elements — Part 2: Impact sound insulation.*

1) To be published. (Revision of ISO 140-6:1978)

2) To be published. (Revision of ISO 140-7:1978)