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SANS 140-4:1998

Edition 1 and nat. amdt 1

ISO 140-4:1998

Edition 2

Any reference to SABS ISO 140-4 is deemed
to be a reference to this standard
(Government Notice No. 1373 of 8 November 2002)

SOUTH AFRICAN NATIONAL STANDARD

Acoustics — Measurement of sound insulation in buildings and of building elements

Part 4: Field measurements of airborne sound insulation between rooms

This national standard is the identical implementation of ISO 140-4:1998 and is adopted with the permission of the International Organization for Standardization.

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Table of changes

Change No.	Date	Scope
Nat. amdt 1	2006	Amended to change the designation from SABS to SANS, with no technical changes.

National foreword

This South African standard was approved by National Committee SABS TC 76, *Acoustics, electro-acoustics and vibration*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

This part of SANS 140 was published in December 2006. This SANS edition is technically identical to the first SABS edition (SABS ISO 140-4:1998), with the addition of national amendment 1.

**Reaffirmed and reprinted in August 2012.
This document will be reviewed every five years and
either be reaffirmed, amended, revised or withdrawn.**

INTERNATIONAL STANDARD

ISO 140-4

Second edition
1998-08-15

Acoustics — Measurement of sound insulation in buildings and of building elements —

Part 4:

Field measurements of airborne sound
insulation between rooms

*Acoustique — Mesurage de l'isolation acoustique des immeubles et des
éléments de construction —*

Partie 4: Mesurage in situ de l'isolement aux bruits aériens entre les pièces



Reference number
ISO 140-4:1998(E)

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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.

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.

International Standard ISO 140-4 was prepared by Technical Committee ISO/TC 43, *Acoustics*, Subcommittee SC 2, *Building acoustics*.

This second edition cancels and replaces the first edition (ISO 140-4:1978) which has been technically revised.

ISO 140 consists of the following parts, under the general title *Acoustics — Measurement of sound insulation in buildings and of building elements*:

- *Part 1: Requirements of laboratory test facilities with suppressed flanking transmission*
- *Part 2: Determination, verification and application of precision data*
- *Part 3: Laboratory measurement of airborne sound insulation of building elements*
- *Part 4: Field measurements of airborne sound insulation between rooms*
- *Part 5: Field measurements of airborne sound insulation of façade elements and façades*
- *Part 6: Laboratory measurements of impact sound insulation of floors*

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- *Part 7: Field measurements of impact sound insulation of floors*
- *Part 8: Laboratory measurements of the reduction of transmitted impact noise by floor coverings on a heavyweight standard floor*
- *Part 9: Laboratory measurement of room-to-room airborne sound insulation of a suspended ceiling with a plenum above it*
- *Part 10: Laboratory measurement of airborne sound insulation of small building elements*

Annexes A and B form an integral part of this part of ISO 140. Annexes C to F are for information only.