



**SLOVENSKI STANDARD  
SIST EN ISO 17624:2005**

**01-junij-2005**

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Acoustics - Guidelines for noise control in offices and workrooms by means of acoustical screens (ISO 17624:2004)

Akustik - Leitfaden für den Schallschutz in Büros und Arbeitsräumen durch Schallschirme (ISO 17624:2004)

Acoustique - Lignes directrices pour la réduction du bruit dans les bureaux et locaux de travail au moyen d'écrans acoustiques (ISO 17624:2004)

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**Ta slovenski standard je istoveten z: EN ISO 17624:2004**

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13.140

Vpliv hrupa na ljudi

Noise with respect to human beings

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 17624**

December 2004

ICS 13.140

English version

## Acoustics - Guidelines for noise control in offices and workrooms by means of acoustical screens (ISO 17624:2004)

Acoustique - Lignes directrices pour la réduction du bruit dans les bureaux et locaux de travail au moyen d'écrans acoustiques (ISO 17624:2004)

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This European Standard was approved by CEN on 21 June 2004.

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EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

**EN ISO 17624:2004 (E)****Foreword**

The text of ISO 17624:2004 has been prepared by Technical Committee ISO/TC 43 "Acoustics" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 17624:2004 by Technical Committee CEN/TC 43 "Acoustics", the secretariat of which is held by DS.

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of an identical text or by endorsement, at the latest by June 2005, and conflicting national standards shall be withdrawn at the latest by June 2005.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

**Endorsement notice**

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**Acoustics — Guidelines for noise control  
in offices and workrooms by means of  
acoustical screens**

*Acoustique — Lignes directrices pour la réduction du bruit dans les  
bureaux et locaux de travail au moyen d'écrans acoustiques*

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**ISO 17624:2004(E)****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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

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.

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

ISO 17624 was prepared by Technical Committee ISO/TC 43, *Acoustics*, Subcommittee SC 1, *Noise*.

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## Introduction

Besides silencers and enclosures (see ISO 14163 and ISO 15667, respectively), indoor screens are used as secondary means of noise control in workrooms and offices. For workplaces containing machinery, some information on such elements is given in ISO 11690-2:1996, Annexes E and F. More detailed information can be found in the bibliographic references.

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# Acoustics — Guidelines for noise control in offices and workrooms by means of acoustical screens

## 1 Scope

This International Standard deals with the effectiveness of acoustical screens. It specifies the acoustical and operational requirements to be agreed upon between the supplier or manufacturer and the user of acoustical screens. This International Standard is applicable to the following types of acoustical screens:

- a) free-standing acoustical screens for offices, service areas, exhibition areas, and similar rooms;
- b) acoustical screens integrated in the furniture of such rooms;
- c) portable and removable acoustical screens for workshops;
- d) fixed room partitions with more than 10 % of the connecting area open and acoustically untreated.

Walls of partial acoustic enclosures and cabins which, together with the room boundary surfaces, also partition a room and provide more than 10 % open and acoustically untreated area, are also treated as acoustical screens.

NOTE Guidance on complete acoustic enclosures is given in ISO 15667.

This International Standard is not applicable to cabinet walls and similar multi-layer walls whose thickness exceeds 0,2 m, nor to banners and other types of suspended baffles.

## 2 Normative references

The following referenced documents are indispensable for the application 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 140-3, *Acoustics — Measurement of sound insulation in buildings and of building elements — Part 3: Laboratory measurements of airborne sound insulation of building elements*

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 9053, *Acoustics — Materials for acoustical applications — Determination of airflow resistance*

ISO 10534-1, *Acoustics — Determination of sound absorption coefficient and impedance in impedance tubes — Part 1: Method using standing wave ratio*

ISO 10534-2, *Acoustics — Determination of sound absorption coefficient and impedance in impedance tubes — Part 2: Transfer-function method*

ISO 11654, *Acoustics — Sound absorbers for use in buildings — Rating of sound absorption*

ISO 11821:1997, *Acoustics — Measurement of the in situ sound attenuation of a removable screen*