

## **Spectator facilities - Part 4: Seats-product characteristics**

Spectator facilities - Part 4: Seats - Product characteristics

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13200-4:2006 sisaldab Euroopa standardi EN 13200-4:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 24.11.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13200-4:2006 consists of the English text of the European standard EN 13200-4:2006.</p> <p>This document is endorsed on 24.11.2006 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b></p> <p>This European Standard specifies the mechanical, physical and chemical product characteristics of fixed seating used in sports venues (indoor and outdoor) in the spectator viewing area (S.V.A.). It also specifies the criteria for fixing the seating to the structure.</p>	<p><b>Scope:</b></p> <p>This European Standard specifies the mechanical, physical and chemical product characteristics of fixed seating used in sports venues (indoor and outdoor) in the spectator viewing area (S.V.A.). It also specifies the criteria for fixing the seating to the structure.</p>
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English Version

## Spectator facilities - Part 4: Seats - Product characteristics

Installations pour spectateurs - Partie 4: Sièges -  
Caractéristiques des produits

Zuschaueranlagen - Teil 4: Sitze - Produktmerkmale

This European Standard was approved by CEN on 28 August 2006.

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.

This European Standard exists 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.

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## Foreword

This document (EN 13200-4:2006) has been prepared by Technical Committee CEN/TC 315 “Spectators facilities”, the secretariat of which is held by UNI.

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 April 2007, and conflicting national standards shall be withdrawn at the latest by April 2007.

EN 13200 *Spectator facilities* consists of the following parts:

*Part 1: Layout criteria for spectator viewing area — Specification*

*Part 3: Separating elements — Requirements*

*Part 4: Seats-product characteristics*

*Part 5: Telescopic stands*

*Part 6: Demountable (temporary) stands*

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

## 1 Scope

This European Standard specifies the mechanical, physical and chemical product characteristics of fixed seating used in sports venues (indoor and outdoor) in the spectator viewing area (S.V.A.). It also specifies the criteria for fixing the seating to the structure.

These characteristics and criteria are determined in order to assure an adequate resistance to static and dynamic stresses and to atmospheric agents. This European Standard specifies comfort, functionality and safety requirements to prevent serious injury through normal functional use, as well as misuse that might reasonably be expected to occur. This European Standard does not include any fire behaviour or resistance requirements.

## 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.

EN 12727, *Furniture — Ranked seating — Test methods and requirements for strength and durability*

EN 13200-1, *Spectator facilities — Part 1: Layout criteria for spectator viewing area — Specification*

ENV 581-2:2000, *Outdoor furniture — Seating and tables for camping, domestic and contract use — Part 2: Mechanical safety requirements and test methods for sampling*

EN ISO 527-2, *Plastics — Determination of tensile properties — Part 2: Test conditions for moulding and extrusion plastics (ISO 527-2:1993 including Corr. 1:1994)*

EN ISO 4892-2, *Plastics — Methods of exposure to laboratory light sources — Part 2: Xenon-arc lamps (ISO 4892-2:2006)*

ISO 105-A02, *Textiles — Tests for colour fastness — Part A02: Grey scale for assessing change in colour*

ISO 179-1:2000, *Plastics — Determination of Charpy impact properties — Part 1: Non-instrumented impact test (ISO 179-1:2000)*

ISO 554, *Standard atmospheres for conditioning and/or testing — Specifications*

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

### 3.1

#### **seating place**

space intended for a single spectator in a sitting position (see figures in Annex B)

### 3.2

#### **seats**

- bench, a continuous element, forming a raised seat level with respect to the footway (Figure B.1);
- low back seat, a shaped element or an assembly fixed to the step or on to a support. It has a backrest with a maximum height of 15 cm above the seat level and may be fitted with armrests (Figure B.2);