

Spectator facilities - Part 4: Seats - Product characteristics

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 13200-4:2023 sisaldab Euroopa standardi EN 13200-4:2023 ingliskeelset teksti.	This Estonian standard EVS-EN 13200-4:2023 consists of the English text of the European standard EN 13200-4:2023.
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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 2 January 2023.

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European foreword

This document (EN 13200-4:2023) has been prepared by Technical Committee CEN/TC 315 “Spectator 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of an identical text or by endorsement, at the latest by August 2023, and conflicting national standards shall be withdrawn at the latest by August 2023.

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

This document supersedes EN 13200-4:2006.

The main changes compared to the previous edition are listed below:

- Clause 2 “Normative References” has been updated;
- subclauses 5.2.2, 5.2.3 and 5.2.4 have been amended and aligned with the new edition of EN 12727;
- Table 2 in Clause 8 has been updated and aligned with the new edition of EN 12727.

The EN 13200 / CEN/TR 13200 series, *Spectator facilities*, consists of the following parts:

- EN 13200-1, *Spectator facilities — Part 1: General characteristics for spectator viewing area*;
- CEN/TR 13200-2, *Spectator facilities — Layout criteria of service area — Part 2: Characteristics and national situations*;
- EN 13200-3, *Spectator facilities — Part 3: Separating elements — Requirements*;
- EN 13200-4, *Spectator facilities — Part 4: Seats — Product characteristics*;
- EN 13200-5, *Spectator facilities — Part 5: Telescopic stands*;
- EN 13200-6, *Spectator facilities — Part 6: Demountable stands*;
- EN 13200-7, *Spectator facilities — Part 7: Entry and exit elements and routes*;
- EN 13200-8, *Spectator facilities — Part 8: Safety Management*.

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1 Scope

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

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

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 12727:2016, *Furniture - Ranked seating - Requirements for safety, strength and durability*

EN 13200-1, *Spectator facilities - Part 1: General characteristics for spectator viewing area*

EN ISO 179-1:2010, *Plastics - Determination of Charpy impact properties - Part 1: Non-instrumented impact test (ISO 179-1:2010)*

EN ISO 527-2, *Plastics - Determination of tensile properties - Part 2: Test conditions for moulding and extrusion plastics (ISO 527-2)*

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

EN ISO 9227, *Corrosion tests in artificial atmospheres - Salt spray tests (ISO 9227)*

EN ISO 13857, *Safety of machinery - Safety distances to prevent hazard zones being reached by upper and lower limbs (ISO 13857)*

EN 20105-A02, *Textiles - Tests for colour fastness - Part A02: Grey scale for assessing change in colour (ISO 105-A02)*

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.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

3.1 seating place

space intended for a single spectator in a sitting position

Note 1 to entry: See figures in Annex A.