

IRISH STANDARD

I.S. EN 13200-4:2006

ICS 91.040.10 97.200.10 97.220.10

National Standards Authority of Ireland Glasnevin, Dublin 9 Ireland

Tel: +353 1 807 3800 Fax: +353 1 807 3838 http://www.nsai.ie

SPECTATOR FACILITIES - PART 4: SEATS - PRODUCT CHARACTERISTICS

Sales

http://www.standards.ie

This Irish Standard was published under the authority of the National Standards Authority of Ireland and comes into effect on: 27 October 2006

NO COPYING WITHOUT NSAI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

© NSAI 2006 Price Code I

Údarás um Chaighdeáin Náisiúnta na hÉireann

This is a free page sample. Access the full version online.

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN 13200-4

October 2006

ICS 91.040.10; 97.200.10; 97.220.10

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.

CEN members are the national standards bodies of 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.



EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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

EN 13200-4:2006 (E)

Cont	Contents		
Forew	ord	3	
1	Scope	4	
2	Normative references	4	
3	Terms and definitions	4	
4	Abbreviations	5	
5	General requirements of construction		
5.1	Seats	5	
5.2 5.2.1	General requirements for fixing elements and fixing methods General		
5.2.1	Criteria for presentation of designs		
5.2.3	Acceptance testing	7	
6	Sampling and conditioning		
6.1 6.2	SamplingConditioning		
7	Characteristics of materials		
, 7.1	General		
7.2	Corrosion resistance	7	
7.3 7.4	Resistance to weathering agents/stability to light Temperature resistance		
8	Strength and durability requirements		
_			
9	Test report		
10	Seating numbers		
11	Instruction for use		
12	Marking	11	
	A (informative) Temperature resistance		
A.1 A.1.1	Temperature resistance		
A.1.1 A.1.2	Low temperature test		
A.1.3	High temperature test		
Annex	B (informative) Examples of seats	13	
Annex	C (informative) Ergonomy	15	
C.1	Ergonomy	15	
C.1.1	Anthropometric aspects and data		
C.1.2	Design requirements		
Bibliog	graphygraphy	24	

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.

EN 13200-4:2006 (E)

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 excepted 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);



The is a new provider i arenade and chare publication at the limit below	This is a free preview.	Purchase the	entire publication	at the link below:
--	-------------------------	--------------	--------------------	--------------------

Product Page

- Dooking for additional Standards? Visit Intertek Inform Infostore
- Dearn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation