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Sport- und Freizeitanlagen - Parkoureinrichtungen -Sicherheitstechnische Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 17 September 2016.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

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Content		Page
Europ	oean foreword	5
Introduction		6
1	Scope	8
2	Normative references	
3	Terms and definitions	
4 4.1	Materials and structural integrityRequirements for materials	
4.1 4.1.1	GeneralGeneral serior materials se	
4.1.2	Concrete	
4.1.3	Wood	
4.1.4	Metals	13
4.1.5	Rubbers and synthetics	
4.2	Requirements for structural integrity and loading	
4.3	Requirements for foundations and groundwork	15
5	Safety requirements	15
5.1	Sporting ability	
5.2	Access restrictions	
5.3	Accessible surfaces, profiles and edge chamfers	
5.4 5.5	Parkour bars and rails Enclosed passage ways	
5.6	Protection against injuries during movement and falling	
5.7	Clearances	
5.8	Entrapment	
5.8.1	Entrapment of hair and clothing	
5.8.2	Entrapment of the head and neck	
5.8.3	Completely bound openings	
5.8.4	Partially bound and V-shaped openings	
5.8.5 5.9	Body and finger clearances Separation from other facilities and activities	
	•	
6	Dimensions	
6.1 6.2	LandingsImpact attenuating surface (IAS) and critical fall height	
6.3	Maximum height of any element or part of equipment	
6.4	Maximum free height of fall	
6.5	Extent of the falling space	
7	Installation, inspection and maintenance	24
, 7.1	Installation	
7.1.1	General	
7.1.2	Information sign/board	
7.1.3	Level mark	
7.2	Inspection	
7.2.1	General	
7.2.2	Inspection of impact attenuating surfacing	
7.2.3 7.2.4	Inspection scheduleFrequency of inspections	
, .4.T	I I CQUELLEY OF THE PECCHOLIS HIMMINING HIMMINING HIMMINING HIMMINING HIMMINING	

7.3	Maintenance	
7.3.1		
7.3.2	Routine maintenance	_
7.3.3		
8	Operation	
8.1	General	
8.2 8.2.1	Specific requirementsPersonnel	
8.2.2	Documentation	
8.2.3		
8.2.4		
8.2.5	Equipment alterations	
8.2.6	Supervised settings	29
9	Labelling/marking	29
10	Information to be provided by the manufacturer/supplier	29
10.1	General product information	29
10.2	Pre-information	
10.3	Installation information	30
Anne	x A (normative) Method of determining structural integrity	32
A.1	General principle	32
A.2	User load	33
A.3	Safety factors	33
A.4	Self-weight	33
A.5	Physical testing	33
A.6	Horizontal stability	33
Anne	x B (normative) Number of users on the equipment	34
B.1	General	34
B.2	Number of users on a point	34
B.3	Number of users on line type elements	34
B.4	Number of users on an area	34
Anne	x C (normative) Impact test method	35
C.1	Principle	35
C.2	Apparatus	35
C.3	Procedure	36
Anne	x D (normative) Assessment of surface area of a landing	37
D.1	Principle	37
D.2	Apparatus	37
D.3	Procedure	38
Anne	ex E (normative) Test method for entrapment	40
E.1	General	40
E.2	Head and neck entrapment	40

EN 16899:2016 (E)

E.3	Body and finger clearances	46
Bibliog	graphy	48

European foreword

This document (EN 16899:2016) has been prepared by Technical Committee CEN/TC 136 "Sports, playground and other recreational facilities and equipment", the secretariat of which is held by DIN.

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 May 2017, and conflicting national standards shall be withdrawn at the latest by May 2017.

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.

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

Introduction

This document is primarily intended for manufacturers of parkour equipment, operators and designers of parkour parks and supervisors of parkour lessons who are appropriately qualified and experienced and have sufficient knowledge on parkour as sports.

It is not expected that every scenario has been addressed. Where new designs or concepts are delivered, a risk-benefit assessment should be completed by a competent person.

The design and layout of parkour facilities requires a good understanding of the sport and the interrelationship of equipment and "flow" routes. To ensure the safety of equipment it is recommended that design advice is obtained from a competent person and that appropriate risk-benefit assessments are carried out.

NOTE National federations/governing bodies, if exist, can provide advice on suitable competent persons.

Compliance with this European Standard cannot confer immunity from legal obligations.

Parkour as sports

Parkour, also known as "freerunning" and "Art du Déplacement", is the non-competitive sport of training to move freely over and through any terrain using only the abilities of the body, principally through running, jumping, climbing and quadrupedal movement. In practice, it focuses on developing the fundamental attributes required for such movement, which include functional strength and fitness, balance, spatial awareness, agility, coordination, precision, control and creative vision.

It is a sport that encourages self-improvement on all levels, revealing one's physical and mental limits, while simultaneously offering ways to overcome them. It is a method of training one's body and mind in order to be as completely functional, effective and liberated as possible in any environment.

The sport aims to build confidence, determination, self-discipline and self-reliance, and responsibility for one's actions. It encourages humility, respect for others and for one's environment, self-expression and community spirit, and emphasizes the importance of discovery and safety at all times.

Founding of parkour

The sport, originally termed l'Art du Déplacement, was founded in France in the 1980s by a group of nine young men who called themselves "The Yamakasi". "Yamakasi" is a Lingala word loosely meaning "strong man, strong spirit", and summed up the core aim of the sport: to be a strong individual: physically, mentally and ethically.

The Yamakasi founders are Yann Hnautra, Chau Belle, David Belle, Laurent Piemontesi, Sebastien Foucan, Guylain N'Guba Boyeke, Charles Perriere, Malik Diouf and Williams Belle.

The term "parkour" was first introduced by David Belle in 1998. "Parkour" derives from the French word "parcours" meaning "route" or "course".

The term "freerunning" was coined by Guillaume Pelletier, a representative of a group of French practitioners involved in the production of the 2003 Channel 4 documentary, Jump London, to communicate this new sport to an English-speaking audience.

Grounds for requirements of this European Standard

According to national product safety laws, products complying with standards are assumed to be safe. However operators, manufacturers, designers and the working group of this European Standard need to make observations and implement necessary changes to products as well as to the future revisions of this standard in order to provide safe environments for users.

This European Standard covers the design of equipment for the practice and development of the principle techniques/movements of the sport of parkour by those new to parkour and by experienced practitioners, known as traceurs (or freerunners).

Parkour facilities can comprise a combination of items of equipment permitting flowing movement of the user. Equipment is usually installed permanently, but for temporary use, equipment may also be portable.

The use of facilities as parkour equipment is connected with sporting risks. Sporting skills and the use of appropriate equipment can reduce the risk of accident, but it is important to recognize that traceurs and/or users are not required to wear personal protective equipment. Because parkour movements are self-controlled, it is expected that injuries resulting from falls/misjudgement can occur, just like in any sport.

It is not the intention of this European Standard to specify every possible shape and construction of facilities for traceurs and/or users. Parkour is a new, developing sport and the standard does not specify requirements that affect the design of the overall parkour facility.

It is also anticipated that sites might be used by/for non-parkour activities.

1 Scope

This European Standard specifies requirements for parkour equipment for use mainly by users starting from 8 years of age. This European Standard recognizes that parkour movement is personally determined by users, using controlled physical exertion from, to and through equipment elements and structures; both permanently installed and portable.

The requirements are intended to protect users from hazards that they might be unable to foresee when using the equipment as intended, or in a manner that can be reasonably anticipated.

This European Standard also specifies requirements for the installation and maintenance of parkour equipment, including area, height, flow, location and separation from other facilities, including children's playgrounds and multi-use games areas (free access multi-sports equipment).

NOTE As listed above, this European Standard is only applicable to parkour equipment, installation and maintenance, but not for example to parkour activities.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 206, Concrete - Specification, performance, production and conformity

EN 335:2013, Durability of wood and wood-based products - Use classes: definitions, application to solid wood and wood-based products

EN 350-2:1994, Durability of wood and wood-based products - Natural durability of solid wood - Part 2: Guide to natural durability and treatability of selected wood species of importance in Europe

EN 351-1:2007, Durability of wood and wood-based products - Preservative-treated solid wood - Part 1: Classification of preservative penetration and retention

EN 636, Plywood — Specifications

EN 1177, Impact attenuating playground surfacing - Determination of critical fall height

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