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I.S. EN 12572-2:2008

Artificial climbing structures - Part 2: Safety requirements and test methods for bouldering walls

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Incorporating amendments/corrigenda issued since publication:

This document replaces:	*This document is based on:*	*Published:*
I.S. EN 12572:1999	EN 12572-2:2008 EN 12572:1998	5 November, 2008 23 April, 1999

This document was published under the authority of the NSAI and comes into effect on: 8 January, 2009	ICS number: 97.220.10

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 12572-2

November 2008

ICS 97.220.10

Supersedes EN 12572:1998

English Version

Artificial climbing structures - Part 2: Safety requirements and test methods for bouldering walls

Structures artificielles d'escalade - Partie 2 : Exigences de sécurité et méthodes d'essai relatives aux pans et blocs d'escalade

Künstliche Kletteranlagen - Teil 2: Sicherheitstechnische Anforderungen und Prüfverfahren für Boulderwände

This European Standard was approved by CEN on 27 September 2008.

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Foreword

This document (EN 12572-2:2008) 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of an identical text or by endorsement, at the latest by May 2009, and conflicting national standards shall be withdrawn at the latest by May 2009.

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

This document supersedes EN 12572:1998, together with EN 12572-1:2007 and EN 12572-3:2008.

This standard consists of a number of parts as follows:

EN 12572-1, *Artificial climbing structures — Part 1: Safety requirements and test methods for ACS with protection points*

EN 12572-2, *Artificial climbing structures — Part 2: Safety requirements and test methods for bouldering walls*

EN 12572-3, *Artificial climbing structures — Part 3: Safety requirements and test methods for climbing holds*

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, 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 the United Kingdom.

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1 Scope

This European Standard specifies the safety requirements and calculation methods for bouldering walls, including the safety zone.

This European Standard is applicable when the bouldering is in normal use.

This European Standard is not applicable to ice climbing, dry tooling, playground equipment and deep water soloing.

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 1991-1-3, *Eurocode 1: Actions on structures — Part 1-3: General actions — Snow loads*

EN 1991-1-4, *Eurocode 1: Actions on structures — Part 1-4: General actions — Wind actions*

EN 1991-1-5, *Eurocode 1: Actions on structures — Part 1-5: General actions — Thermal actions*

EN ISO/IEC 17020, *General criteria for the operation of various types of bodies performing inspection (ISO/IEC 17020:1998)*

3 Terms and definitions

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

3.1
artificial climbing structure
(ACS)
sports equipment consisting of a purpose-built climbing structure, which displays different construction characteristics, and is designed for different use objectives and is not reserved for a particular age group

NOTE See EN 12572-1.

3.2
bouldering wall
artificial climbing structures allowing climbing without protection points including the falling space and impact area

NOTE For protection points see EN 12572-1.

3.3
characteristic load
maximum load that can be generated in normal use

NOTE See EN 12572-1.

3.4
falling space
space on or around the bouldering wall that can be occupied by a user during a fall

NOTE See EN 12572-1.

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