



NSAI
Standards

Irish Standard
I.S. EN 12572-2:2017

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

I.S. EN 12572-2:2017

Incorporating amendments/corrigenda/National Annexes issued since publication:

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I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

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National Foreword

I.S. EN 12572-2:2017 is the adopted Irish version of the European Document EN 12572-2:2017, Artificial climbing structures - Part 2: Safety requirements and test methods for bouldering walls

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EUROPEAN STANDARD

EN 12572-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2017

ICS 97.220.10

Supersedes EN 12572-2:2008

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 29 October 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.

CEN members are the national standards bodies of 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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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EN 12572-2:2017 (E)

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European foreword

This document (EN 12572-2:2017) 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 July 2017, and conflicting national standards shall be withdrawn at the latest by July 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.

This document supersedes EN 12572-2:2008.

This standard EN 12572, *Artificial climbing structures*, consists of the following parts:

- *Part 1: Safety requirements and test methods for ACS with protection points*
- *Part 2: Safety requirements and test methods for bouldering walls*
- *Part 3: Safety requirements and test methods for climbing holds*

The following changes have been made in comparison with EN 12572-2:2008:

- Table regarding “Shock absorbing” has been added;
- Table regarding “Size of the impact area” has been added;
- Test for shock absorbing surfaces has been added;
- Structural integrity and impact resistance modified

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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

EN 12572-2:2017 (E)

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 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 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 12503-4:2016, *Sports mats — Part 4: Determination of shock absorption*

EN 1998-1, *Eurocode 8: Design of structures for earthquake resistance - Part 1: General rules, seismic actions and rules for buildings*

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 exhibits various construction characteristics, and is designed for various uses in climbing objectives and is not reserved for a particular group

3.2

bouldering wall

artificial climbing structure allowing climbing without protection points including a falling space and impact area

3.3

characteristic load

maximum load that can be generated in normal use

Note 1 to entry: See EN 12572-1.

3.4

falling space

space around the bouldering wall that can be occupied by a user during a fall

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