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STANDARDS  
Australia



# Skateparks — Safety requirements and test methods

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# Skateparks — Safety requirements and test methods

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## Preface

This Standard was prepared by the Standards Australia Committee CS-101, Sports and recreational facilities and equipment.

The objective of this document is to specify safety requirements and requirements for testing and marking, information supplied by the manufacturer, information for users, as well as for inspection and maintenance to protect users and third parties (e.g. spectators) from hazards, as far as possible, when using a skatepark as intended, or as can be reasonably expected.

This document applies to skateparks for public use intended for the use of skateboards, other roller sports equipment and BMX bikes.

This document does not apply to bike facilities modelled from ground, gravel or rock

This document is identical with, and has been reproduced from, EN 14974:2019, *Skateparks – Safety requirements and test methods*.

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## European foreword

This document (EN 14974:2019) 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of an identical text or by endorsement, at the latest by November 2019, and conflicting national standards shall be withdrawn at the latest by November 2019.

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 14974:2006+A1:2010.

This edition contains the following technical changes in regards to EN 14974:2006+A1:2010:

- requirements revised;
- test methods revised;
- document restructured;
- editorially updated.

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.

## Introduction

This standard primarily targets planners, manufacturers, constructors, public authorities, operators, technical experts and inspectors of skate elements and/or skateparks.

The purpose of this European Standard is to specify the safety requirements, which to a large extent protect users and third parties (e.g. spectators) from hazards.

The use of skateparks is connected with sporting risks. Sporting skills and the use of suitable roller sports equipment in combination with appropriate protective equipment essentially reduces the risk of accident.

Not all possible forms of design, combinations, materials and/or structural elements of skateparks and/or skate elements will be specified within this European Standard, as they are constantly developing. Skateparks are often characterised by interconnected flowing rolling surfaces and elements. With regard to these specific skate elements the general requirements of this standard need to be considered.

It is essential that the development, construction and maintenance are carried out by competent persons with sufficient training, experience and knowledge of this standard, as well as an understanding of roller sports.

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## 1 Scope

This document applies to skateparks for public use intended for the use of skateboards, other roller sports equipments and BMX bikes.

It specifies safety requirements and requirements for testing and marking, information supplied by the manufacturer, information for users, as well as for inspection and maintenance to protect users and third parties (e.g. spectators) from hazards, as far as possible, when using a skatepark as intended, or as can be reasonably expected.

This standard does not apply to bike facilities modelled from ground, gravel or rock.

## 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 206, *Concrete — Specification, performance, production and conformity*

EN 300:2006, *Oriented Strand Boards (OSB) — Definitions, classification and specifications*

EN 312, *Particleboards — Specifications*

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

EN 338:2016, *Structural timber — Strength classes*

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

EN 599-1, *Durability of wood and wood-based products — Efficacy of preventive wood preservatives as determined by biological tests — Part 1: Specification according to use class*

EN 636, *Plywood — Specifications*

EN 789, *Timber structures — Test methods — Determination of mechanical properties of wood based panels*

CEN/TS 1099, *Plywood — Biological durability — Guidance for the assessment of plywood for use in different use classes*

EN 1992-1-1, *Eurocode 2: Design of concrete structures — Part 1-1: General rules and rules for buildings*

EN 10026, *Definition and classification of grades of steel*

EN 12670, *Execution of concrete structures*

EN 14437 (all parts), *Sprayed concrete*