
Surfaces for sports areas—Methods of test

Method 9: Determination of ball roll behaviour

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PREFACE

This Standard was prepared by Standards Australia Committee PL-048, Sporting Surfaces.

This Standard is identical with and has been reproduced from EN 12234:2002, *Surfaces for sports areas—Determination of ball roll behaviour*.

The objective of this Standard is to specify a method for determination of a ball on a sports surface.

As this Standard is reproduced from a European Standard, the following applies:

- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) In the source text ‘this European Standard’ should read ‘this Australian Standard’.

A full point substitutes for a comma when referring to a decimal marker.

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METHOD

1 Scope

This European Standard specifies a method for determination of the rolling behaviour of a ball on a sports surface.

2 Normative reference

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 12229, *Surfaces for sports areas — Procedure for the preparation of synthetic turf and textile test pieces.*

3 Principle

A ball is rolled down a ramp, from a specified height, onto a test surface and either the distance the ball rolls or the velocity change of the ball on the surface is measured.

4 Apparatus

4.1 Ball, conforming to the regulations of the governing body of the relevant sport, and to the appropriate conditions given below:

- Association Football: a ball inflated to a pressure of $0,9 \text{ bar} \pm 0,1 \text{ bar}$.
- Bowls: an unbiased bowl of mass $(1475 \pm 2,5) \text{ g}$ and of diameter $(125 \pm 5) \text{ mm}$ (as specified in the 1999 edition of the World Bowls Board Performance Standard for Artificial Flat Green Bowls Surfaces [1]).

NOTE These requirements have been found acceptable in use and it has not been found necessary to specify additional requirements such as circumference or mass of the ball.