
Podloge za športne dejavnosti – Ugotavljanje debeline travne ruše naravne trave

Surfaces for sports areas - Determination of thatch depth of natural turf

Sportböden - Bestimmung der Filzdicke bei Naturrasen

Sols sportifs - Détermination de l'épaisseur de la couche de feutre du gazon naturel

Ta slovenski standard je istoveten z: EN 12232:2003

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 12232

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ICS 97.220.10

English version

**Surfaces for sports areas - Determination of thatch depth of
natural turf**

Sols sportifs - Détermination de l'épaisseur de la couche de
feutre du gazon naturel

Sportböden - Bestimmung der Filzdicke bei Naturrasen

This European Standard was approved by CEN on 12 December 2002.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

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Foreword

This document (EN 12232:2003) has been prepared by Technical Committee CEN/TC 217 "Surfaces for sports areas", the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by October 2003, and conflicting national standards shall be withdrawn at the latest by October 2003.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

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1 Scope

This European Standard specifies a method for determination of thatch depth of natural turf sports surfaces.

2 Term and definition

For the purposes of this European Standard the following term and definition apply.

2.1

thatch depth

thickness of the intermingled organic layer of dead and living shoots, stems and roots, developing between the zone of green vegetation and the soil surface

NOTE The upper limit of the thatch layer can be considered as a continuous, horizontal surface immediately below any distinct and separate green leaves and the lower limit occurs at the interface where fibrous organic material gives way to distinct particles of growing medium.

3 Principle

The thatch depth is determined by measuring the depth of the thatch layer on cores of materials extracted from the turf surface.

4 Apparatus

4.1 **Hollow corer**, as shown in Figure 1, with diameter d of 40 mm to 120 mm.

4.2 **Ruler**, graduated in millimetres.

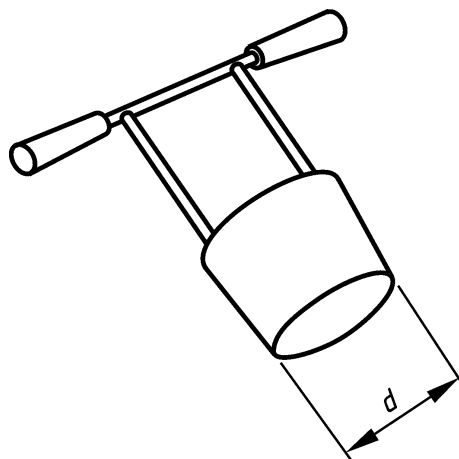


Figure 1 — Hollow corer

5 Procedure

Remove a core approximately 50 mm in depth from the ground. One minute after removal, to allow the compressed thatch to return to its original state, measure the depth of the thatch in millimetres using the ruler.

Measure the depth of the thatch layer on each core at four points, approximately equidistant around its circumference and calculate the mean.

Where difficulty is encountered in establishing the lower limit of the thatch layer, use a pin or knife to probe the resistance in the core and then use it as a marker to aid measurement.

Unless otherwise specified, take at least five cores at random from sports surfaces of less than 100 m², take five to ten cores, as appropriate, from sports surfaces of 100 m² to 1 000 m², and take 10 to 15 cores from sports surfaces of 1 000 m² to 5 000 m². Subdivide larger sports surfaces into two or more sections and test each section as above.

6 Expression of results

Express the thatch depth as the mean of all the measurements from all the extracted cores, in millimetres.

7 Test report

The test report shall include the following information:

- a) reference to this European Standard, i.e. EN 12232:2003;
- b) complete identification of the surface tested, including its location, area and previous history;
- c) the mean thatch depth;
- d) the individual test results, if required.

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