

ICS 97.220.10
CCS Y55



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 22517.5-2024

**Technical requirements and test methods for sports field - Part
5: Football turf**

体育场地使用要求及检验方法 第5部分：足球场地

Issued on: October 26, 2024

Implemented on: February 1, 2025

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

Table of Contents

1 Scope	1
2 Normative references	1
3 Terms and Definitions	1
4 Categories	1
5 Requirement	2
5.1 Site Specifications	2
5.2 Performance of natural turf football fields	2
5.3 Artificial turf football field	3
6 Inspection	4
6.1 Test conditions	4
6.2 Selection of on-site test points	4
6.3 Test methods	6
7 Qualification determination	10
7.1 Natural grass football field	10
10 Reference	11

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. This document is Part 5 of GB/T 22517 "Requirements for the use and inspection methods of sports venues". Lower part.

1. Wooden flooring for sports venues;
2. Swimming venues;
3. Baseball and softball fields;
4. Synthetic surface basketball courts;
5. Football pitch;
6. Track and field venues;
7. Tennis courts;

8.Sports ice rinks;

10.Squash courts;

11.Hockey fields. This document replaces GB/T 19995.1-2005 "Requirements and test methods for use of natural material sports fields Part

1.Football fields" Natural grass surface" and GB/T 20033.3-2006 "Artificial material sports venues use requirements and test methods Part

3.Football field artificial grass surface" Compared with GB/T 19995.1-2005 and GB/T 20033.3-2006, in addition to structural adjustments and editorial changes, the main changes are. The technical changes are as follows:

1 Scope

GB/T 22517.5-2024 is Part 5 of the Chinese series on sports venue requirements and test methods, and covers football pitches. China has built an enormous number of pitches under the national football programme, most of them artificial, and the properties that matter are mechanical rather than visual: how much of the impact the surface returns, how far the ball rolls and how high it bounces, how much the foot rotates against the fibres, and how those change with age and with the loss of infill. The standard sets the categories, then the requirements - the pitch dimensions and markings, the performance of natural turf pitches and separately of artificial turf pitches - the inspection, covering the test conditions, the selection of on-site test points and the test methods, and the determination of conformity for each of the two surface types. It takes effect on 1 February 2025.

This document specifies the classification and technical requirements of football pitches, describes the corresponding testing methods, and establishes the rules for determining eligibility. This document is applicable to natural turf football fields and artificial turf football fields for competition, training, teaching and mass leisure activities. construction and inspection.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 20394 Artificial turf for sports

GB/T 22517.6-2020 Requirements for the use and inspection methods of sports venues Part

6.Track and field venues TY/T.2003.1 Test methods for performance of sports surfaces Part

3 Terms and Definitions

There are no terms or definitions that require definition in this document.

4 Categories

4.1 Football fields are divided into the following two categories based on the surface material.

---Natural grass football field,

---Artificial turf football field.

4.2 Football fields are divided into Class I, Class II and Class III according to their purpose, competition level and athletic level. The classification and corresponding scope of application are shown in Table 1. Table

1 Football field classification and applicable scope Classification Natural turf football field Artificial turf football field Class I site World Cup, International Championships, Olympic Games, national competitions Category II venues for provincial and regional competitions Class III venues for teaching and mass leisure activities, etc.