

<b>STN</b>	<b>Povrchy pre športové areály</b> <b>Syntetické povrchy pre vonkajšie športové areály</b> <b>Skúšobné metódy pri použití simulovaných</b> <b>poveternostných podmienok</b>	<b>STN</b> <b>EN 14836</b>  73 5947
------------	--	--

Surfaces for sports areas - Synthetic surfaces for outdoor sports areas - Test method for artificial weathering

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 05/19

Obsahuje: EN 14836:2018

Oznámením tejto normy sa ruší  
STN EN 14836 (73 5947) z júna 2006

**128815**

EUROPEAN STANDARD

**EN 14836**

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2018

ICS 97.150; 97.220.10

Supersedes EN 14836:2005

English Version

## Surfaces for sports areas - Synthetic surfaces for outdoor sports areas - Test method for artificial weathering

Surfaces sportives - Surfaces synthétiques pour terrains de sport en plein air - Méthode d'essai de vieillissement artificiel

Sportböden - Synthetische Sportböden für den Außenbereich - Künstliche Bewitterung

This European Standard was approved by CEN on 9 November 2018.

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.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**EN 14836:2018 (E)****Contents**

Page

<b>European foreword.....</b>	<b>3</b>
<b>1 Scope.....</b>	<b>4</b>
<b>2 Normative references.....</b>	<b>4</b>
<b>3 Principle.....</b>	<b>4</b>
<b>4 Apparatus.....</b>	<b>5</b>
<b>5 Exposure conditions.....</b>	<b>5</b>
<b>6 Specimens.....</b>	<b>5</b>
<b>7 Procedure.....</b>	<b>6</b>
<b>7.1 Mounting of test specimens.....</b>	<b>6</b>
<b>7.1.1 Synthetic turf yarns.....</b>	<b>6</b>
<b>7.1.2 Needle-punch surface and textile fibres.....</b>	<b>6</b>
<b>7.1.3 Synthetic surfaces.....</b>	<b>7</b>
<b>7.1.4 Granular infill materials.....</b>	<b>7</b>
<b>7.2 Exposure period.....</b>	<b>7</b>
<b>7.2.1 Method 1.....</b>	<b>7</b>
<b>7.2.2 Method 2.....</b>	<b>7</b>
<b>8 Test report.....</b>	<b>8</b>
<b>Annex A (normative) Procedure for the determination of synthetic turf yarn thickness.....</b>	<b>9</b>
<b>A.1 Apparatus.....</b>	<b>9</b>
<b>A.1.1 Microscope.....</b>	<b>9</b>
<b>A.1.2 Freezing system.....</b>	<b>9</b>
<b>A.1.3 Reference square.....</b>	<b>9</b>
<b>A.1.4 Cutting blade.....</b>	<b>9</b>
<b>A.1.5 Small clamp.....</b>	<b>9</b>
<b>A.2 Specimens.....</b>	<b>9</b>
<b>A.3 Procedure.....</b>	<b>9</b>
<b>A.4 Results.....</b>	<b>10</b>
<b>Bibliography.....</b>	<b>11</b>

## **European foreword**

This document (EN 14836:2018) has been prepared by Technical Committee CEN/TC 217 “Surfaces for sports areas”, the secretariat of which is held by AFNOR.

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 June 2019, and conflicting national standards shall be withdrawn at the latest by June 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 14836:2005.

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 14836:2018 (E)****1 Scope**

This document specifies a test method for an artificial weathering exposure, as a basis for a subsequent determination of property changes related to weathering resistance.

**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.

ASTM E1252-98, *Standard Practice for General Techniques for Obtaining Infrared Spectra for Qualitative Analysis*

EN ISO 4892-1, *Plastics - Methods of exposure to laboratory light sources - Part 1: General guidance (ISO 4892-1)*

EN ISO 4892-3:2016, *Plastics - Methods of exposure to laboratory light sources - Part 3: Fluorescent UV lamps (ISO 4892-3:2016)*

EN ISO 5079, *Textiles - Fibres - Determination of breaking force and elongation at break of individual fibres (ISO 5079)*

EN ISO 11357-3, *Plastics - Differential scanning calorimetry (DSC) - Part 3: Determination of temperature and enthalpy of melting and crystallization (ISO 11357-3)*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**