DIN EN 1177

ICS 97.200.40

Supersedes
DIN EN 1177:2008-08 and
DIN EN 1177
Corrigendum 1:2008-12

Impact attenuating playground surfacing – Methods of test for determination of impact attenuation; English version EN 1177:2018, English translation of DIN EN 1177:2018-03

Stoßdämpfende Spielplatzböden –
Prüfverfahren zur Bestimmung der Stoßdämpfung;
Englische Fassung EN 1177:2018,
Englische Übersetzung von DIN EN 1177:2018-03

Sols d'aires de jeux absorbant l'impact –
Méthodes d'essai pour la détermination de l'atténuation de l'impact;
Version anglaise EN 1177:2018,
Traduction anglaise de DIN EN 1177:2018-03

Document comprises 37 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

02.18 2824394

A comma is used as the decimal marker.

Start of application

The start of application of this standard is 2018-03-01.

National foreword

This standard includes safety requirements within the meaning of the *Produktsicherheitsgesetz (ProdSG)* (German Product Safety Act).

This document (EN 1177:2018) has been prepared by Technical Committee CEN/TC 136 "Sports, playground and other recreational facilities and equipment" (Secretariat: DIN, Germany).

The responsible German body involved in its preparation was *DIN-Normenausschuss Sport- und Freizeitgerät* (DIN Standards Committee Sports Equipment), Working Committee NA 112-07-01 AA "Playground equipment".

Where this standard has been identified by the *Ausschuss für Produktsicherheit* (German Committee for Product Safety) and reference to it has been published in the *Gemeinsames Ministerialblatt* (German Joint Ministerial Gazette) by the *Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (BAuA)* (German Federal Institute for Occupational Safety and Health), it is to be presumed that impact attenuating playground surfacing which complies with this standard fulfils the relevant health and safety requirements.

In addition to the legal units of measurement, this standard also uses gravitational acceleration "*g*" which is used as a unit. It should be noted that the Gesetz über Einheiten im Messwesen (German Law on units in metrology) prohibits the use of other units than those allowed for official and commercial purposes in Germany.

Conversion:

$1\ g = 9{,}8\ldots\ \mathrm{m/s^2}$

Amendments

This standard differs from DIN EN 1177:2008-08 and DIN EN 1177 Corrigendum 1:2008-12 as follows:

a) in the European foreword, references to CEN/TRs have been added;

b) in the Introduction, a rationale for retaining HIC 1 000 and introducing $g_{\max}$ with a value of 200*g* as upper limits for surfacing when assessed in accordance with this standard has been added;

c) the Scope has been extended by an additional test method and now contains two test methods;

d) the order of the clauses has been changed and new clauses have been added by including Method 2;

e) modern technologies for requirements for test apparatus and measurements to improve the accuracy of results have been taken into account;

f) Annex B has been adapted to Method 2 and new Annexes C, D, E and F have been added;

g) the standard has been linguistically aligned with DIN EN 1176-1:2017-12;

h) the standard has been editorially revised.

Previous editions

DIN 7926-1: 1976-12, 1981-05, 1985-08
DIN 7926-1 Supplement 1: 1987-05
DIN EN 1177: 1997-11, 2002-03, 2008-08
DIN EN 1177 Corrigendum 1: 2008-12

— This page is intentionally blank —