

Nederlandse norm

# NEN-EN 14351-1+A2

(en)

Ramen en deuren - Productnorm - Prestatie-eisen  
- Deel 1: Ramen en buitendeuren

Windows and doors - Product standard,  
performance characteristics - Part 1: Windows  
and external pedestrian doorsets

Vervangt NEN-EN 14351-1:2006+A1:2010;  
NEN-EN 14351-1:2006+A1:2010/Ontw. A2:2016

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 - EN 14351-1:2006+A2:2016, DTD

Voorbeeld  
 Preview

Normcommissie 353640 "Doors, windows, shutters, building hardware and curtain walling"



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EUROPEAN STANDARD

**EN 14351-1:2006+A2**

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2016

ICS 91.060.50

Supersedes EN 14351-1:2006+A1:2010

English Version

# Windows and doors - Product standard, performance characteristics - Part 1: Windows and external pedestrian doorsets

Fenêtres et portes - Norme produit, caractéristiques de performance - Partie 1 : Fenêtres et blocs portes extérieurs pour piétons

Fenster und Türen - Produktnorm, Leistungseigenschaften - Teil 1: Fenster und Außentüren

This European Standard was approved by CEN on 3 February 2006 and includes Amendment 1 approved by CEN on 31 January 2010 and Amendment 2 approved by CEN on 11 July 2016.

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**EN 14351-1:2006+A2:2016 (E)****European foreword**

This document (EN 14351-1:2006+A2:2016) has been prepared by Technical Committee CEN/TC 33 “Doors, windows, shutters, building hardware and curtain walling”, 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of an identical text or by endorsement, at the latest by March 2017, and conflicting national standards shall be withdrawn at the latest by June 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document includes Amendment 1, approved by CEN on 2010-01-31 and Amendment 2, approved by CEN on 2016-07-11.

This document supersedes EN 14351-1:2006+A1:2010.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 and A2.

This European Standard is one of a series of standards for windows and pedestrian doorsets (see Figure 1).



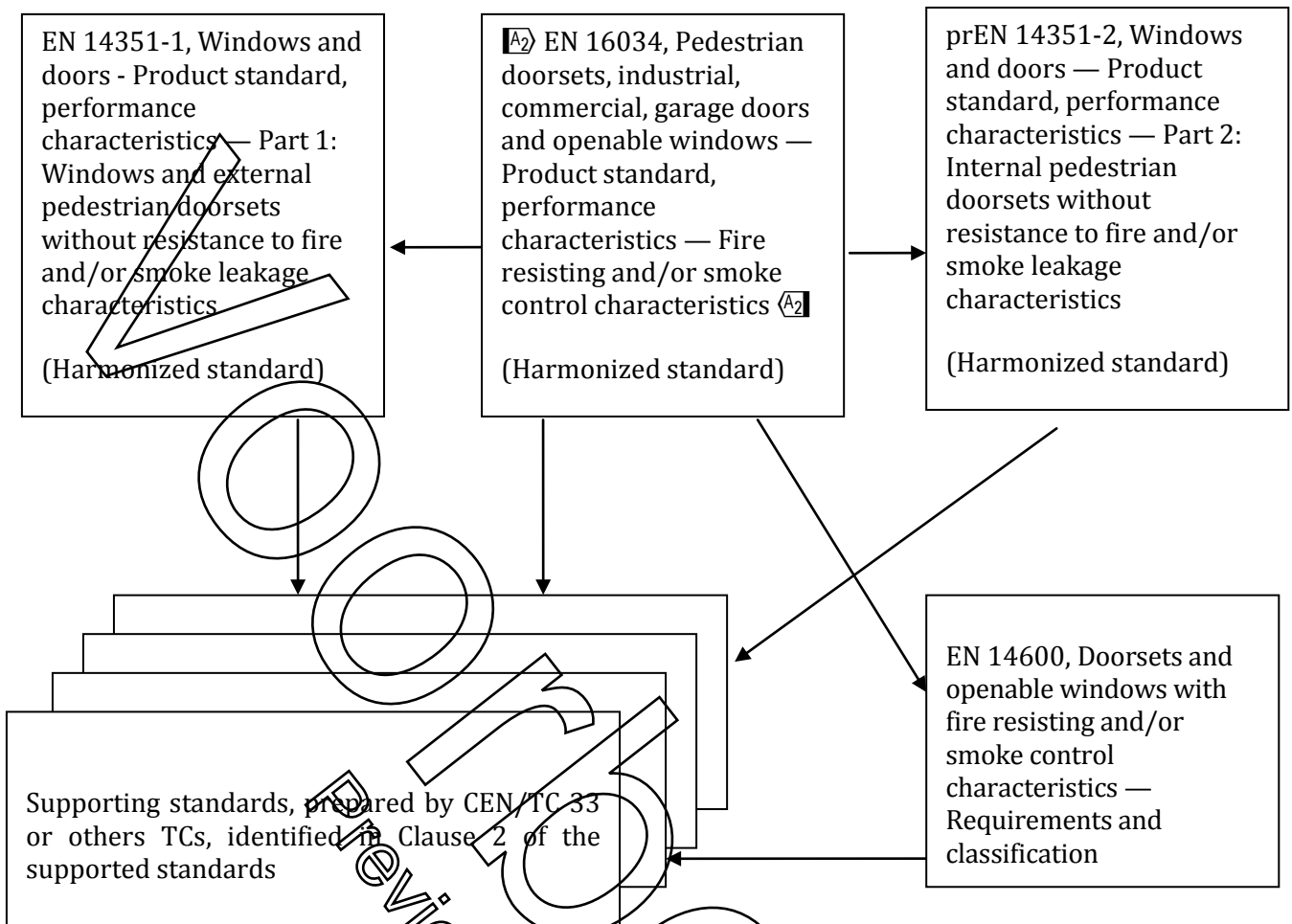


Figure 1 – Relationship between various standards

**A1)** This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annexes ZA, ZB, ZC and ZD which are integral parts of this document. **A1)**

**A1)**

NOTE Annex ZB was applicable until December 28<sup>th</sup>, 2009 and Annex ZD is applicable since December 29<sup>th</sup>, 2009. **A1)**

**A2)** The main changes introduced by the 2<sup>nd</sup> Amendment to this new edition of EN 14351-1 concern the title and the scope according to the EC's request and the decisions of CEN/TC 33 D1010 (April 2014), D1065 and D1089 (April 2015). **A2)**

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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

**EN 14351-1:2006+A2:2016 (E)****A<sub>1</sub> Introduction**

The 1<sup>st</sup> amendment primarily adds details to previous clauses dealing with evaluation of conformity but without making any fundamental changes. The intention is to facilitate consistent interpretation particularly when addressing the possibilities of cascading ITT. The concept of shared ITT results is not excluded, but will be clarified later.

Furthermore, due to lack of updated supporting standards for powered pedestrian doors, these products have been excluded from the scope.

The opportunity has also been taken in this amendment to amend several technical issues that were under query. A<sub>1</sub>

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## 1 Scope

**A2)** This European Standard identifies material independent performance characteristics, except resistance to fire and smoke control characteristics, that are applicable to windows (including roof windows, roof windows with external fire resistance and door height windows), external pedestrian doorsets (and their assemblies, including unframed glass doorsets, escape route doorsets) and screens.

Fire resisting and/or smoke control characteristics for pedestrian doorsets and openable windows are covered by EN 16034.

This European Standard applies to:

a) fixed windows or fixed lights, manually or power operated windows and door height windows, and screens for installation in vertical wall apertures and roof windows for installation in roofs, complete with:

- 1) related hardware, if any;
- 2) weather stripping, if any;
- 3) glazed apertures when intended to have glazed apertures;
- 4) with or without incorporated shutters and/or shutter boxes and/or blinds;

and manually or power operated windows, roof windows, door height windows and screens that are:

- 5) fully or partially glazed including any non-transparent infill;
- 6) fixed or partly fixed or openable with one or more casements/sashes (e.g. hinged, projecting, pivoted, sliding);

b) manually operated external pedestrian doorsets with flush or panelled leaves, complete with:

- 1) integral fanlights, if any;
- 2) adjacent parts that are contained within a single frame for inclusion in a single aperture, if any.

The windows covered by this standard are not assessed regarding their ability to release (to open).

The products covered by this European Standard are not assessed for structural applications.

This European Standard does not apply to:

- rooflights according to EN 1873 and EN 14963;
- curtain walling according to EN 13830;
- industrial, commercial and garage doors and gates according to EN 13241;
- internal pedestrian doorsets according to prEN 14351-2;
- revolving doorsets;
- power operated pedestrian doorsets according to EN 16361;

**EN 14351-1:2006+A2:2016 (E)**

— windows intended to be part of internal partition.  $\text{A}_2$

**2 Normative references**

$\text{A}_2$  The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.  $\text{A}_2$

**2.1 Classification standards**

EN 1192, *Doors — Classification of strength requirements*

EN 1522, *Windows, doors, shutters and blinds — Bullet resistance — Requirements and classification*

ENV 1627, *Windows, doors, shutters — Burglar resistance — Requirements and classification*

EN 12207:1999, *Windows and doors — Air permeability — Classification*

EN 12208, *Windows and doors — Watertightness — Classification*

EN 12210, *Windows and doors — Resistance to wind load — Classification*

EN 12217, *Doors — Operating forces — Requirements and classification*

EN 12219, *Doors — Climatic influences — Requirements and classification*

EN 12400, *Windows and pedestrian doors — Mechanical durability — Requirements and classification*

EN 13049, *Windows — Soft and heavy body impact — Test method, safety requirements and classification*

EN 13115, *Windows — Classification of mechanical properties — Racking, torsion and operating forces*

EN 13123-1, *Windows, doors and shutters — Explosion resistance — Requirements and classification — Part 1: Shock tube*

EN 13123-2, *Windows, doors, and shutters — Explosion resistance — Requirements and classification — Part 2: Range test*

**2.2 Test and calculation standards**

EN 179, *Building hardware — Emergency exit devices operated by a lever handle or push pad — Requirements and test methods*

EN 410, *Glass in building — Determination of luminous and solar characteristics of glazing*

EN 947, *Hinged or pivoted doors — Determination of the resistance to vertical load*

EN 948, *Hinged or pivoted doors — Determination of the resistance to static torsion*

EN 949, *Windows and curtain walling, doors, blinds and shutters — Determination of the resistance to soft and heavy body impact for doors*

EN 950, *Door leaves — Determination of the resistance to hard body impact*

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