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Windows and doors - Product standard, performance characteristics - Part 2: Internal pedestrian doorsets

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

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Windows and doors - Product standard, performance characteristics - Part 2: Internal pedestrian doorsets

Portes et fenêtres - Norme produit, caractéristiques de performances - Partie 2: Blocs-portes intérieurs pour piétons

Fenster und Türen - Produktnorm, Leistungseigenschaften - Teil 2: Innentüren

This European Standard was approved by CEN on 3 April 2018.

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

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European foreword

This document (EN 14351-2:2018) 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of an identical text or by endorsement, at the latest by May 2019, and conflicting national standards shall be withdrawn at the latest by August 2021.

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 has been prepared under a standardisation request given to CEN by the European Commission and the European Free Trade Association, and supports Basic Work Requirements of EU Regulation and Essential Requirements of EU Directive(s).

For relationship with EU Regulation/Directive(s), see informative Annex ZA, which is an integral part of this document.

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

- 1) EN 14351-2 alone, applies to all internal pedestrian doorsets.
- 2) For the internal pedestrian doorsets having fire resisting and/or smoke control characteristics, EN 16034 should apply in conjunction with EN 14351-2.

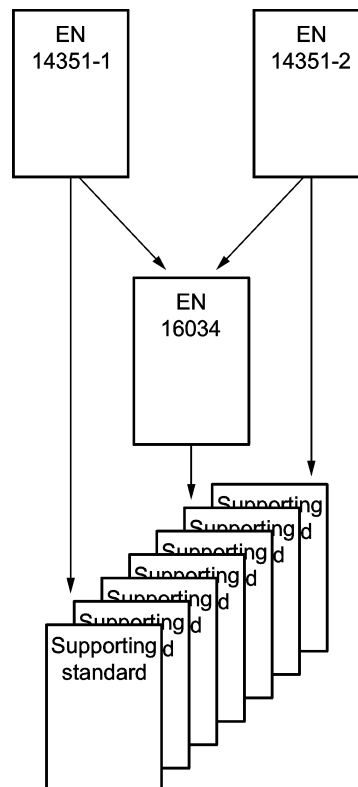


Figure 1 — Relationship between various standards

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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.

1 Scope

This European Standard identifies material independent performance characteristics, except resistance to fire and smoke control characteristics, which are applicable to internal pedestrian doorsets.

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

This European Standard applies to doorsets intended to be used internally for construction works as:

- intended use a) in escape routes;
- intended use b) for specific uses with specific requirements;
- intended use c) for communication only.

NOTE 1 These above intended uses can be combined, for example escape routes with specific requirements.

For internal pedestrian doorsets with resistance to fire and /or smoke control characteristics, this standard should only apply in conjunction with EN 16034.

Products covered by this European Standard are power operated hinged or manually operated internal pedestrian doorsets and screens with flush or panelled leaves, single or double leaf, which could be completed with:

- related building hardware;
- door closing devices;
- integral fanlights;
- adjacent parts that are contained within a single frame for inclusion in a single aperture.

NOTE 2 Manually operated doors with door closing devices are not considered to be power operated doors.

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

This European Standard does not apply to:

- industrial, commercial and garage doors and gates according to EN 13241;
- external pedestrian doorsets according to EN 14351-1;
- door leaves placed on the market as a single unit;
- door frames placed on the market as a single unit;
- power operated pedestrian doorsets, other than swing type, according to EN 16361.

Doorsets can be placed on the market with their component (leaf and frame) separate when each of these components are clearly identified.

This European Standard does not deal with any specific requirements on noise emitted from internal power operated hinged doorsets as their noise emission is not considered to be a relevant hazard.

EN 14351-2:2018 (E)**2 Normative references**

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.

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

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*

EN 1026:2016, *Windows and doors — Air permeability — Test method*

EN 1121, *Doors - Behaviour between two different climates — Test method*

EN 1125, *Building hardware — Panic exit devices operated by a horizontal bar, for use on escape routes — Requirements and test methods*

EN 1154, *Building hardware — Controlled door closing devices — Requirements and test methods*

EN 1191, *Windows and doors — Resistance to repeated opening and closing — Test method*

EN 1192, *Doors — Classification of strength requirements*

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

EN 1523, *Windows, doors, shutters and blinds — Bullet resistance — Test method*

EN 1627, *Pedestrian doorsets, windows, curtain walling, grilles and shutters — Burglar resistance — Requirements and classification*

EN 1628, *Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Test method for the determination of resistance under static loading*

EN 1629, *Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Test method for the determination of resistance under dynamic loading*

EN 1630, *Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Test method for the determination of resistance to manual burglary attempts*

EN 1935, *Building hardware — Single-axis hinges — Requirements and test methods*

EN 12046-2, *Operating forces — Test method — Part 2: Doors*

EN 12150-2, *Glass in building — Thermally toughened soda lime silicate safety glass — Part 2: Evaluation of conformity/Product standard*

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

EN 12217:2015, *Doors — Operating forces — Requirements and classification*

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

EN 12365-1:2003, *Building hardware — Gasket and weatherstripping for doors, windows, shutters and curtain walling — Part 1: Performance requirements and classification*

EN 12365-2, *Building hardware — Gasket and weatherstripping for doors, windows, shutters and curtain walling — Part 2: Linear compression force test methods*

EN 12365-3, *Building hardware — Gasket and weatherstripping for doors, windows, shutters and curtain walling — Part 3: Deflection recovery test method*

EN 12365-4, *Building hardware — Gasket and weatherstripping for doors, windows, shutters and curtain walling — Part 4: Recovery after accelerated ageing test method*

EN 12400:2002, *Windows and pedestrian doors — Mechanical durability — Requirements and classification*

EN 12519:2018, *Windows and pedestrian doors — Terminology*

EN 12600:2002, *Glass in building — Pendulum test — Impact test method and classification for flat glass*

EN 13049:2003, *Windows — Soft and heavy body impact — Test method, safety requirements and classification*

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

EN 13124-1, *Windows, doors and shutters — Explosion resistance — Test method — Part 1: Shock tube*

EN 13141-1, *Ventilation for buildings — Performance testing of components/products for residential ventilation — Part 1: Externally and internally mounted air transfer devices*

EN 13141-2, *Ventilation for buildings — Performance testing of components/products for residential ventilation — Part 2: Exhaust and supply air terminal devices*

EN 13238, *Reaction to fire tests for building products — Conditioning procedures and general rules for selection of substrates*

EN 13501-1, *Fire classification of construction products and building elements — Part 1: Classification using data from reaction to fire tests*

EN 13637:2015, *Building hardware — Electrically controlled exit systems for use on escape routes — Requirements and test methods*

EN 14179-2, *Glass in building — Heat soaked thermally toughened soda lime silicate safety glass — Part 2: Evaluation of conformity/Product standard*

EN 14351-1, *Windows and doors - Product standard, performance characteristics - Part 1: Windows and external pedestrian doorsets*

EN 14449, *Glass in building — Laminated glass and laminated safety glass — Evaluation of conformity/Product standard*

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EN 16005:2012, *Power operated pedestrian doorsets — Safety in use — Requirements and test methods*

EN 16034, *Pedestrian doorsets, industrial, commercial, garage doors and openable windows — Product standard, performance characteristics — Fire resisting and/or smoke control characteristics*

EN ISO 717-1, *Acoustics — Rating of sound insulation in buildings and of building elements — Part 1: Airborne sound insulation (ISO 717-1)*

EN ISO 10077-1:2006, *Thermal performance of windows, doors and shutters — Calculation of thermal transmittance — Part 1: General (ISO 10077-1:2017)*

EN ISO 10077-2, *Thermal performance of windows, doors and shutters — Calculation of thermal transmittance — Part 2: Numerical method for frames (ISO 10077-2)*

EN ISO 10140-1, *Acoustics — Laboratory measurement of sound insulation of building elements — Part 1: Application rules for specific products (ISO 10140-1)*

EN ISO 10140-2, *Acoustics — Laboratory measurement of sound insulation of building elements — Part 2: Measurement of airborne sound insulation (ISO 10140-2)*

EN ISO 12567-1, *Thermal performance of windows and doors — Determination of thermal transmittance by the hot-box method — Part 1: Complete windows and doors (ISO 12567-1)*

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