



NSAI
Standards

Irish Standard
I.S. EN 1627:2011

Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Requirements and classification

I.S. EN 1627:2011

Incorporating amendments/corrigenda/National Annexes issued since publication:

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I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

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English Version

Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Requirements and classification

Blocs-portes pour piétons, fenêtres, façades rideaux, grilles et fermetures - Résistance à l'effraction - Prescriptions et classification

Türen, Fenster, Vorhangfassaden, Gitterelemente und Abschlüsse - Einbruchhemmung - Anforderungen und Klassifizierung

This European Standard was approved by CEN on 2 December 2010.

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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.

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| Contents | Page |
|---|-------------|
| Foreword | 3 |
| 1 Scope | 4 |
| 2 Normative references | 4 |
| 3 Terms and definitions | 5 |
| 4 Resistance classification | 6 |
| 5 Infillings | 7 |
| 6 Hardware | 7 |
| 7 Mechanical strength | 8 |
| 7.1 Static loading | 8 |
| 7.2 Dynamic loading in resistance classes 1, 2 and 3 | 11 |
| 8 Manual burglary attempts | 11 |
| 9 Classification report | 11 |
| 10 Installation | 12 |
| 11 Test specimens | 12 |
| Annex A (informative) Recommendations for the contents of the manufacturer's installation instructions | 13 |
| Annex B (normative) Requirements for locks and hardware outside the scope of the standards listed in Table 2 | 14 |
| Annex C (informative) Resistance classes – Classification according to EN 1627 | 23 |
| C.1 Introduction | 23 |
| C.2 Resistance classes 1 to 3 | 23 |
| C.3 Resistance classes 4 to 6 | 23 |
| Annex D (normative) Field of application | 25 |
| D.1 Dimensions | 25 |
| D.2 Exchange of hardware elements | 27 |
| D.3 Other modifications | 28 |
| Annex E (normative) Procedure for testing and classification | 29 |
| Bibliography | 31 |

Foreword

This document (EN 1627:2011) 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 November 2011, and conflicting national standards shall be withdrawn at the latest by November 2011.

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 supersedes ENV 1627:1999.

This European Standard is one of a series of standards for burglar resistant pedestrian doorsets, windows, curtain walling, grilles and shutters. The other standards in the series are:

- EN 1628:2011, *Pedestrian doorsets, windows, curtain walling, grilles and shutters — Burglar resistance — Test method for the determination of resistance under static loading*;
- EN 1629:2011, *Pedestrian doorsets, windows, curtain walling, grilles and shutters — Burglar resistance — Test method for the determination of resistance under dynamic loading*;
- EN 1630:2011, *Pedestrian doorsets, windows, curtain walling, grilles and shutters — Burglar resistance — Test method for the determination of resistance to manual burglary attempts*.

This standard is a revision of, and supersedes ENV 1627:1999. The three other standards in this series are revisions of, and supersede ENV 1628, ENV 1629 and ENV 1630 respectively.

This revision incorporates grilles and curtain walling in the range of application.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard specifies requirements and classification systems for burglar resistant characteristics of pedestrian doorsets, windows, curtain walling, grilles and shutters. It is applicable to the following means of opening: Turning, tilting, folding, turn-tilting, top or bottom hung, sliding (horizontally and vertically) and rolling as well as fixed constructions. It also covers products that include items such as letter plates or ventilation grilles. It specifies requirements for the burglar resistance of a construction product (as defined in 3.1 of this standard).

This European Standard does not directly cover the resistance of locks and cylinders to attack with picking tools. It also does not cover precast concrete elements.

It also does not cover the attack of electric, electronic and electromagnetic operated burglar resistant construction products using attack methods that might defeat these characteristics.

NOTE 1 The mechanical parts of electric, electronic and electromagnetic operated burglar resistant construction products may be tested in electrical powerless condition.

This European Standard does not apply to doors, gates and barriers, intended for installation in areas in the reach of persons, and for which the main intended uses are giving safe access for goods and vehicles accompanied or driven by persons in industrial, commercial or residential premises, as covered by EN 13241-1.

NOTE 2 Construction products that can be reached or driven through by vehicles should be protected by appropriate measures such as barriers, extensible ramps, etc.

2 Normative references

The following referenced documents are indispensable for the application 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.

EN 356:1999, *Glass in building — Security glazing — Testing and classification of resistance against manual attack*

EN 1303:2005, *Building hardware — Cylinders for locks — Requirements and test methods*

EN 1628:2011, *Pedestrian doorsets, windows, curtain walling, grilles and shutters — Burglar resistance — Test method for the determination of resistance under static loading*

EN 1629:2011, *Pedestrian doorsets, windows, curtain walling, grilles and shutters — Burglar resistance — Test method for the determination of resistance under dynamic loading*

EN 1630:2011, *Pedestrian doorsets, windows, curtain walling, grilles and shutters — Burglar resistance — Test method for the determination of resistance to manual burglary attempts*

EN 1906:2010, *Building hardware — Lever handles and knob furniture — Requirements and test methods*

EN 12209:2003, *Building hardware — Locks and latches — Mechanically operated locks, latches and locking plates — Requirements and test methods*

EN 12519:2004, *Windows and pedestrian doors — Terminology*

ISO 1000:1992, *SI units and recommendations for the use of their multiples and of certain other units*

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