



Institut für Brandschutztechnik  
und Sicherheitsforschung

Version 8

# Certification programme<sup>©</sup>

Certification programme for external pedestrian doorsets in escape routes (ability to release characteristics) as per EN 14351-1



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## Foreword

This product-specific certification programme in conjunction with the general certification programme shall form the main basis of certification of external pedestrian doorsets in escape routes with the ability to release characteristics by the Certification Body IBS in accordance with EN 14351-1. If all standard requirements and the requirements of the general product-specific certification programme have been met, the applicant will receive a Certificate of Constancy of Performance from the certification body which will form the basis of issue and affixing of the CE mark on external pedestrian doorsets in escape routes.

## Contents

<b>1. Field of application .....</b>	<b>3</b>
<b>2. Normative references .....</b>	<b>3</b>
<b>3. Product requirements.....</b>	<b>4</b>
<b>4. Certification / Surveillance .....</b>	<b>4</b>
4.1. General .....	4
4.2. Determination of product type / initial test .....	5
4.3. Factory production control .....	6
4.4. Evaluation .....	7
4.5. Assessment of factory product control .....	7
4.6. Certificate documentation (Certificate of Constancy of Performance) .....	7
4.7. Surveillance .....	8



## 1. Field of application

This product-related certification programme shall apply to external pedestrian doorsets in escape routes with the ability to release characteristics. The external pedestrian doors are intended for use in escape routes equipped either with emergency exit or panic devices and appropriate hinges.

Appropriately applied external doors with ability to release characteristics guarantee a safe escape route in the area surrounding the exit of the building. Depending on the situation, the external doors are equipped with emergency exit devices as per EN 179 or panic devices as per EN 1125. Emergency exit devices are preferably used when the user is well familiar with the emergency exit and its operation, making it highly unlikely that a panic situation arises. If a panic situation is to be expected, panic devices must be applied.

This certification programme specifies the requirements for external pedestrian doorsets with the ability to release characteristics and the general certification programme specifies the certification procedure.

The fire resisting and/or smoke control characteristics for external pedestrian doorsets and openable windows are set out in EN 16034 (refer to certification programme EN 16034).

## 2. Normative references

The following documents form the basis for certification:

- Construction Products Regulation (EU No. 305/2011)
- EN 14351-1:2006+A1:2016 - Windows and doors — Product standard, performance characteristics - Part 1: Windows and external pedestrian doorsets without resistance to fire and/or smoke leakage characteristics
- 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 1125\* Building hardware. Panic exit devices operated by a horizontal bar, for use on escape routes. Requirements and test methods
- EN 1935\* Building hardware. Single-axis hinges. Requirements and test methods
- prEN 13637\* Building hardware - Electrically controlled exit systems for use on escape routes - Requirements and test methods
- General certification programme
- This certification programme for external pedestrian doorsets for use in escape routes
- Certification and monitoring contract between the customer and IBS Certification Body
- Scale of fees of IBS Certification Body

For dated references, only the edition cited shall apply. For undated references, the latest edition of the referenced document applies.

\*the specified standard is not included in the scope of accreditation of the notified body.

### 3. Product requirements

External doors with ability to release characteristics guarantee a safe escape route in the area surrounding the exit of the building.

The requirements below must be fulfilled as defined in further detail in EN 14351-1.

- Ability to release
- Durability

### 4. Certification / Surveillance

#### 4.1. General

For the assessment and verification of constancy of performance of external pedestrian doorsets for use in escape routes with ability to release characteristics, AVCP System 1 is applicable. As indicated in the table below, the following is required for external pedestrian doorsets in escape routes: determination of product type (type testing/initial test), initial inspection of factory plant and of FPC as well as a continuous surveillance, assessment and evaluation of FPC performed by a notified product certification body.

ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE according to CPR Appendix V				
System	Tasks for manufacturer	Tasks for notified product certification body	Type of certification by product certification body	Documentation by manufacturer
1	<ul style="list-style-type: none"> <li>• factory production control (FPC)</li> <li>• Further testing of samples taken at factory according to the prescribed test plan</li> </ul>	Certification of building product based on: <ul style="list-style-type: none"> <li>• Determination of product type testing/ initial test</li> <li>• Initial inspection of manufacturer and FPC</li> <li>• Continuous surveillance, assessment and evaluation of FPC</li> </ul>	<ul style="list-style-type: none"> <li>• Certificate of Constancy of Performance</li> </ul>	<ul style="list-style-type: none"> <li>• Technical documentation</li> <li>• Declaration of Performance</li> <li>• CE marking</li> </ul>

## 4.2. Determination of product type / initial test

The initial tests of the ability to release characteristics and durability as foreseen by EN 14351-1 can be carried out by the IBS Certification Body. As regards the ability to release characteristics as per section 4.10 of EN 14351-1, external pedestrian doorsets in escape routes must be equipped with emergency exit devices and panic devices in compliance with EN 179 and EN 1125. The hinges used in external doorsets on escape routes must be tested to EN 1935.

### Division into product groups

In advance, the products are grouped into families (e.g. profile series, system with/without resistance to fire characteristics etc.)

### Sampling

Since the type testing of external pedestrian doorsets in escape routes is usually carried out on the basis of product documentation, the selection or sampling of a test specimen is not required.

### Type testing based on product documentation

Based on a detailed product documentation (description, drawings, materials list etc.) of the certificates of constancy of performance (conformity certificates), the emergency exit and panic devices including hinges, the installation instructions and maintenance rules, the following shall be assessed:

- The suitability of the selected emergency exit devices as per EN 179 and/or panic devices as per EN 1125 and hinges as per EN 1935 for the respective doorset(s) with ability to release characteristics
- The suitability of all other building components such as locks, lever handles, cross bars, drive bolt rods, switch recesses, striking plates, locking recesses etc. for the respective doorset(s) with ability to release characteristics
- Determination of the opening range of the respective doorset(s), especially in doors with an equal and unequal division of leaves.
- Verification of the maximum admissible dimensions including tolerances, rabbet geometry, rebate clearance, gasket system, door weight etc.
- Documentation: Test report(s) as per EN 14351-1

If complicated rabbet geometries, special movement curves of door leaves and special building hardware (e.g. items tested separately, not as a set as per EN 179 or EN 1125) are applied, it might be necessary to measure the release force in a testing laboratory.

If modifications or changes are to be made to a certified product that could affect any of the product characteristics declared according to the underlying standard requirements, then the product shall be subject to supplementary tests. The type and scope



of supplementary testing shall be determined on a case-by-case basis by the certification body.

#### **4.2.1. Simplified procedure for licensee**

If the manufacturer is also the licensee, it shall be possible in accordance with Article 36 of the Construction Products Regulation (CPR) to replace the type testing for the determination of the product type of each external doorset with ability to release characteristics by adequate technical documentation which is verified at the initial inspection by the certification body.

The technical documentation for the external pedestrian doorsets with ability to release characteristics must comprise the documents below, whereas the licensee can apply the test reports of the licensor:

- Test report(s) on type testing / initial testing as per EN 14351-1
- Detailed product data (description, drawings, materials lists etc.)
- Processing rules (product catalogue) of the construction product to be certified
- Installation and operating instructions
- Maintenance rules
- Licence agreement between licensor and licensee about the product to be certified
- Licensor's certificates of training

#### **4.3. Factory production control**

The manufacturer is responsible for the implementation of factory production control in compliance with section 7.3 of EN 14351-1, and for drawing-up and keeping documents safeguarding the constancy of performance of the applied external pedestrian doorsets in escape routes.

Each external pedestrian doorset on escape routes shall be subject to functional testing either at the manufacturing plant or the latest after installation at the construction site. The free movement of the active leaf and in double-leaved doors of the active/passive leaves shall be tested and documented in all positions. The release forces pulling back the locking device shall also be measured and recorded. The admissible forces set out in OENORM EN 179 and OENORM EN 1125 must not be exceeded.

#### 4.4. Evaluation

The resuming evaluation of supporting documents as required by the provisions set out in EN 14351-1 shall be performed by IBS' experts in accordance with the evaluation plan for external pedestrian doorsets with ability to release characteristics.

#### 4.5. Assessment of factory product control

During the initial inspection as per section 7.4 of EN 14351-1, the customer must verify that the factory production control is performed, documented, in place and maintained in accordance with the requirements set out in EN 14351-1.

The assessment hereof shall be undertaken based on the inspection results according to the following criteria:

Assessment	Admissible deviation	Suspension of certificate	Limitation
0 No deviation Conformity given	--	--	--
1 Minor deviation Conformity still given	7	10 or	8 or
2 Moderate deviation Conformity only just given	2	5 or	3 or
3 Major deviation Conformity no longer given	0	1	1

The table defines the admissible deviations affecting the issue of a Certificate of Constancy of Performance and the deviations affecting if a certificate shall be restricted or suspended.

#### 4.6. Certificate documentation (Certificate of Constancy of Performance)

The certification body shall issue a duly signed certificate of constancy of performance to the applicant after the decision to grant a certificate of performance of the external doorsets with ability to release characteristics has been made.

As regards the assessment and verification of the constancy of performance of external pedestrian doorsets with ability to release characteristics, reference is made to Appendix ZA of EN 14351-1.

Manufacturers holding a valid certificate of constancy of performance are entitled and obliged to make a declaration of performance and to affix the CE marking to their products in accordance with the CPR and Appendix ZA.3 of EN 14351-1.



The issued certificates are owned by IBS. The certificate of constancy of performance shall be valid for as long as the manufacturing conditions of external pedestrian doorsets with ability to release characteristics and the provisions of EN 14351-1 remain unaltered.

#### **4.7. Surveillance**

In compliance with section 7.5 of EN 14351-1, continuous surveillance of FPC and evaluation of the factory plant shall be carried out at least 1 x year by the inspectors of the certification body.