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Windows, doors, shutters and curtain walling - Explosion resistance - Requirements and classification - Part 1: Shock tube

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

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 02/26

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EUROPEAN STANDARD

EN 13123-1

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Supersedes EN 13123-1:2001

English Version

Windows, doors, shutters and curtain walling - Explosion resistance - Requirements and classification - Part 1: Shock tube

Fenêtres, portes, fermetures et façades rideaux -
Résistance à l'explosion - Prescriptions et classification
- Partie 1: Tube à effet de souffle (shock tube)

Fenster, Türen, Abschlüsse und Vorhangfassaden -
Sprengwirkungshemmung - Anforderungen und
Klassifizierung - Teil 1: Stoßrohr

This European Standard was approved by CEN on 29 September 2025.

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

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EN 13123-1:2025 (E)

Contents		Page
European foreword		3
1	Scope.....	4
2	Normative references.....	4
3	Terms and definitions.....	4
4	General.....	4
5	Requirements.....	4
6	Loading classes for blast pressure resistance (EPR)	5
Annex A (normative) Blast wave parameters and derivation		8
Annex B (informative) Equivalent charge masses and stand-off distances.....		11
Bibliography		12

European foreword

This document (EN 13123-1:2025) 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of an identical text or by endorsement, at the latest by May 2026 and conflicting national standards shall be withdrawn at the latest by May 2026.

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 supersedes EN 13123-1:2001.

EN 13123-1:2025 includes the following significant technical changes with respect to EN 13123-1:2001:

- inclusion of testing of curtain walling;
- inclusion of loading of gas explosions (EPR 0), EPR1+ and user defined load class;
- editorial changes.

The EN 13123 series of standards *Windows, doors, shutters and curtain walling — Explosion resistance — Requirements and classification* currently consists of:

- *Part 1: Shock tube;*
- *Part 2: Arena test.*

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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EN 13123-1:2025 (E)**1 Scope**

This document specifies the requirements and classification for assessing the explosive resistance of windows, doors, shutters as well as curtain walling elements, complete with their frames, infills and fixings, for use in both internal and external locations in buildings, when submitted to a shock tube test in accordance with EN 13124-1:2025. This document gives no information on the explosion resistance capacity of the wall or other surrounding structure.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 12216, *Shutters, external blinds, internal blinds — Terminology, glossary and definitions*

EN 12519, *Windows and pedestrian doors — Terminology*

EN 13119, *Curtain walling — Terminology*

EN 13124-1:2025, *Windows, doors, shutters and curtain walling — Explosion resistance — Test method — Part 1: Shock tube*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN