



BSI Standards Publication

Extended application of results from fire resistance tests - Non-loadbearing walls

Part 4: Glazed constructions

National foreword

This British Standard is the UK implementation of EN 15254-4:2018. It supersedes BS EN 15254-4:2008+A1:2011, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee FSH/22/-/7, Non loadbearing separating elements.

A list of organizations represented on this committee can be obtained on request to its secretary.

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English Version

Extended application of results from fire resistance tests - Non-loadbearing walls - Part 4: Glazed constructions

Extension du champ d'application des résultats
des essais de résistance au feu - Éléments non-
porteurs - Partie 4 : Constructions vitrées

Erweiterter Anwendungsbereich der Ergebnisse
von Feuerwiderstandsprüfungen - Nichttragende
Wände - Teil 4: Verglaste Konstruktionen

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European foreword

This document (EN 15254-4:2018) has been prepared by Technical Committee CEN/TC 127 “Fire safety in buildings”, the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by June 2019, and conflicting national standards shall be withdrawn at the latest by June 2019.

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 15254-4:2008+A1:2011.

Relevant changes compared to the previous edition EN 15254-4:2008+A1:2011 include:

- a) Replacement of the term “glass product group” by “glass product range”;
- b) Deletion of aspects now covered in the direct field of application (DIAP) of standard EN 1364-1:2015;
- c) Modification of exchange rules for fire resistant glass;
- d) Additional rule for decrease in dimensions for fire resistant glazed elements with classification EW;
- e) Editorial review of the standard.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

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1 Scope

This document provides guidance and, where appropriate, defines procedures for variations of certain parameters and factors associated with the design of fire resistant glazed elements which have been tested in accordance with EN 1364-1:2015, and classified according to EN 13501-2.

Extended application of fire resistant glazed elements is based on test evidence.

This standard only applies to vertically installed fire resistant glazed elements.

This standard does not apply to door sets and openable windows according to EN 1634-1 and does not apply to curtain walling – full configuration or curtain walling – part configuration according to EN 1364-3 and EN 1364-4.

Glass block assemblies and paver units and channel-shaped glass as defined in EN 1051-1 and EN 572-7 are excluded. There is currently insufficient information available to enable rules for extended application to be developed for these products.

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 1279-1, *Glass in building — Insulating glass units — Part 1: Generalities, system description, rules for substitution, tolerances and visual quality*

EN 1363-1, *Fire resistance tests — Part 1: General Requirements*

EN 1363-2, *Fire resistance tests — Part 2: Alternative and additional procedures*

EN 1364-1:2015, *Fire resistance tests for non-loadbearing elements — Part 1: Walls*

EN 1995-1-2, *Eurocode 5: Design of timber structures — Part 1-2: General — Structural fire design*

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

EN 13501-2, *Fire classification of construction products and building elements — Part 2: Classification using data from fire resistance tests, excluding ventilation services*

EN 15269-2, *Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware — Part 2: Fire resistance of hinged and pivoted steel doorsets*

EN 15269-3, *Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware — Part 3: Fire resistance of hinged and pivoted timber doorsets and openable timber framed windows*

EN 15269-5, *Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware — Part 5: Fire resistance of hinged and pivoted, metal framed, glazed doorsets and openable windows*

EN 15725, *Extended application reports on the fire performance of construction products and building elements*

EN ISO 12543-1, *Glass in building — Laminated glass and laminated safety glass — Part 1: Definitions and description of component parts (ISO 12543-1)*

EN ISO 13943, *Fire safety — Vocabulary (ISO 13943)*