
**Razširjena uporaba rezultatov preskusov požarne odpornosti - Nenosilni stropi - 7.
del: Konstrukcije iz kovinskih sendvič panelov**

Extended application of results from fire resistance tests - Non-loadbearing ceilings -
Part 7: Metal sandwich panel construction

Erweiterter Anwendungsbereich der Ergebnisse von Feuerwiderstandsprüfungen -
Nichttragende Unterdecken - Teil 7: Sandwichelemente in Metallbauweise

Application étendue des résultats d'essais de résistance au feu - Plafonds non porteurs -
Partie 7 : Panneaux sandwichs métalliques pour la construction

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91.060.30	Stropi. Tla. Stopnice	Ceilings. Floors. Stairs

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**Extended application of results from fire resistance tests -
Non-loadbearing ceilings - Part 7: Metal sandwich panel
construction**

Application étendue des résultats d'essais de
résistance au feu - Plafonds non porteurs - Partie 7 :
Panneaux sandwichs métalliques pour la construction

Erweiterter Anwendungsbereich der Ergebnisse von
Feuerwiderstandsprüfungen - Nichttragende
Unterdecken - Teil 7: Sandwichelemente in
Metallbauweise

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European foreword

This document (EN 15254-7:2026) 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of an identical text or by endorsement, at the latest by January 2027, and conflicting national standards shall be withdrawn at the latest by January 2027.

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 15254-7:2018.

The EN 15254 series, under the general title *Extended application of results from fire resistance tests — Non-loadbearing walls*, comprises the following parts:

- *Part 2: Masonry and gypsum blocks;*
- *Part 3: Lightweight partitions;*
- *Part 4: Glazed constructions;*
- *Part 5: Metal sandwich panel construction;*
- *Part 6: Curtain walling;*
- *Part 7: Metal sandwich panel construction.*

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

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.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

1 Scope

This document defines rules for extended applications, provides guidance, and, where appropriate, specifies procedures, for variations of certain parameters and factors associated with the design of internal non-loadbearing ceilings constructed of metal faced sandwich panels that have been tested in accordance with EN 1364-2, which could generate a classification in accordance with EN 13501-2.

This document applies to double skin metal faced sandwich panels which have an insulating core bonded to both facings as defined in EN 14509, not stabilizing a whole building or parts of it.

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 1363-1, *Fire resistance tests - Part 1: General requirements*

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

EN 1364-2, *Fire resistance tests for non-loadbearing elements - Part 2: Ceilings*

EN 1993-1-2, *Eurocode 3 - Design of steel structures - Part 1-2: Structural fire design*

EN 13820, *Thermal insulating materials for building applications - Determination of organic content*

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

EN 14509:2013, *Self-supporting double skin metal faced insulating panels - Factory made products - Specifications*

EN 15725:2023, *Extended application on the fire performance of construction products and building elements: Principle of EXAP standards and EXAP reports*

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

3 Terms, definitions, symbols and abbreviations

3.1 Terms and definitions

For the purpose of this document, the terms and definitions given in EN 14509, EN 15725, EN 1364-2, EN 1363-1 and EN ISO 13943 the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1.1**direct field of application**

outcome of a process (involving the application of defined rules) whereby a test result is deemed to be equally valid for variations in one or more of the product properties and/or intended end-use applications

3.1.2**extended field of application**

outcome of a process (involving the application of defined rules that may incorporate calculation procedures) that predicts, for a variation of a product property and/or its intended end-use application(s), a test result on the basis of one or more test results to the same test standard

3.1.3**factor**

variation that can be applied to a parameter

EXAMPLE A change in the core thickness

3.1.4**factor influence**

potential cause of a change in the fire resistance when the factor is changed

EXAMPLE *Increase in fire resistance as result of an increase of the thickness of the core*

3.1.5**fastening****fixing**

component that fastens the panels to a support structure or to the test frame

3.1.6**fixing system**

system consisting of fastenings and other possible means used to fasten the panels to a support structure or to the test frame

3.1.7**length**

<assembly> length of the ceiling in the span (or panel length) direction in the reference test or in the end use application

3.1.8**width**

<assembly> width of the ceiling in the cross direction of the span (or panel length) in the reference test or in the end-use application

3.1.9**reference test**

fire resistance test on which the extended application is based and the results of which are used as the main source of data for the extended application

Note 1 to entry: The fire resistance test shall be in accordance with EN 1363-1 and EN 1364-2, and where applicable EN 1363-2.

3.1.10**stitching**

component for fixing panels to panels in the longitudinal joint