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Extended application of results from fire resistance tests - Non-loadbearing walls - Part 5: Metal sandwich panel construction

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 15254-5:2018 sisaldb Euroopa standardi EN 15254-5:2018 ingliskeelset teksti.	This Estonian standard EVS-EN 15254-5:2018 consists of the English text of the European standard EN 15254-5:2018.
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ICS 13.220.50, 91.060.10

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EUROPEAN STANDARD
NORME EUROPÉENNE
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English Version

Extended application of results from fire resistance tests -
Non-loadbearing walls - Part 5: Metal sandwich panel
construction

Application étendue des résultats d'essais de
résistance au feu - Murs non porteurs - Partie 5 :
Panneaux sandwiches métalliques pour la construction

Erweiterter Anwendungsbereich der Ergebnisse von
Feuerwiderstandsprüfungen - Nichttragende Wände -
Teil 5: Sandwichelemente in Metallbauweise

This European Standard was approved by CEN on 8 January 2018.

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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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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents	Page
European foreword.....	3
1 Scope.....	4
2 Normative references.....	4
3 Terms and definitions, symbols and abbreviations	4
3.1 Terms and definitions	4
3.2 Symbols and abbreviations	6
4 Establishing the field of extended application	7
4.1 General.....	7
4.2 Assumptions in the extended application.....	7
5 Rules for extended applications of the tested product/construction.....	8
5.1 General.....	8
5.2 Variations in the materials of the product.....	10
5.2.1 General.....	10
5.2.2 Variations in the metal sheets	10
5.2.3 Variations in the adhesive	11
5.2.4 Variations in the core material	11
5.3 Variations in the construction.....	12
5.3.1 Variations in span length	12
5.3.2 Variations in orientation	14
5.3.3 Variations in the panel thickness	14
5.3.4 Variations in the longitudinal joint construction	15
5.3.5 Variations in the boundary conditions and fixing system.....	15
5.3.6 Length and height of wall construction.....	15
5.4 Interaction between the factor influences.....	15
5.5 Support structure.....	15
5.6 Heating conditions.....	16
6 Calculation methods and additional measurements.....	16
6.1 Calculation methods.....	16
6.1.1 General.....	16
6.1.2 Calculation of strength properties.....	16
6.2 Additional measurements to be carried out in the reference test	16
7 Report of the extended application analysis.....	17
Annex A (informative) Typical behaviour of a metal faced sandwich panel wall when exposed to fire	18
Annex B (normative) Evaluation of extension of span length.....	19
Bibliography.....	22

European foreword

This document (EN 15254-5:2018) 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 October 2018, and conflicting national standards shall be withdrawn at the latest by October 2018.

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 15254-5:2009.

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

This standard is currently composed of the following parts:

- EN 15254-2, *Extended application of results from fire resistance tests — Non-loadbearing walls — Part 2: Masonry and Gypsum Blocks;*
- EN 15254-4, *Extended application of results from fire resistance tests — Non-loadbearing walls — Part 4: Glazed constructions;*
- EN 15254-5, *Extended application of results from fire resistance tests — Non-loadbearing walls — Part 5: Metal sandwich panel construction;*
- EN 15254-6, *Extended application of results from fire resistance tests — Non-loadbearing walls — Part 6: Curtain walling;*
- EN 15254-7, *Extended application of results from fire resistance tests — Non-loadbearing walls — Part 7: Non-load bearing sandwich panels — Ceilings.*

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1 Scope

This document defines rules for extended applications, provides guidance, and, where appropriate, defines procedures, for variations of certain parameters and factors associated with the design of internal and external non-loadbearing walls constructed of metal sandwich panels and that have been tested in accordance with EN 1364-1, which could generate a classification in accordance with EN 13501-2.

EN 15254-5 applies for self-supporting, double skin metal faced sandwich panels having an insulating core bonded to both facings as defined in EN 14509.

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

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

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

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

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

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

3 Terms and definitions, symbols and abbreviations

3.1 Terms and definitions

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

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

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