

Extended application of results from fire resistance tests - Non-loadbearing walls - Part 2: Masonry and Gypsum Blocks

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 15254-2:2009 sisaldab Euroopa standardi EN 15254-2:2009 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 31.08.2009 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 29.07.2009.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 15254-2:2009 consists of the English text of the European standard EN 15254-2:2009.

This standard is ratified with the order of Estonian Centre for Standardisation dated 31.08.2009 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

Date of Availability of the European standard text 29.07.2009.

The standard is available from Estonian standardisation organisation.

ICS 13.220.50

Standardite reprodutseerimis- ja levitamiseõigus kuulub Eesti Standardikeskusele

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonilisse süsteemi või edastamine ükskõik millises vormis või millisel teel on keelatud ilma Eesti Standardikeskuse poolt antud kirjaliku loata.

Kui Teil on küsimusi standardite autorikaitse kohta, palun võtke ühendust Eesti Standardikeskusega:
Aru 10 Tallinn 10317 Eesti; www.evs.ee; Telefon: 605 5050; E-post: info@evs.ee

Right to reproduce and distribute Estonian Standards belongs to the Estonian Centre for Standardisation

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, without permission in writing from Estonian Centre for Standardisation.

If you have any questions about standards copyright, please contact Estonian Centre for Standardisation:
Aru str 10 Tallinn 10317 Estonia; www.evs.ee; Phone: +372 605 5050; E-mail: info@evs.ee

ICS 13.220.50

English Version

Extended application of results from fire resistance tests - Non-loadbearing walls - Part 2: Masonry and Gypsum Blocks

Application étendue des résultats d'essais de résistance au feu - Murs non porteurs - Partie 2: Maçonnerie et carreaux de plâtre

Erweiterter Anwendungsbereich der Ergebnisse aus Feuerwiderstandsprüfungen - Nichttragende Wände - Teil 2: Mauersteine und Gips-Wandbauplatten

This European Standard was approved by CEN on 16 May 2009.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Definitions	5
4 General principles.....	5
4.1 General.....	5
4.2 Classifications.....	6
4.3 Additional information	6
5 Rules for extended application	7
5.1 Units according to EN 771-1, EN 771-2, EN 771-3 and EN 771-4.....	7
5.1.1 Rules for units.....	7
5.1.2 Rules for masonry mortars and joints.....	8
5.1.3 Influence of plaster, rendering or external covering.....	9
5.1.4 Geometrical parameters.....	9
5.1.5 Connection systems.....	9
5.2 Gypsum blocks according to EN 12859	9
5.2.1 Rules for blocks	9
5.2.2 Rules for adhesives	10
5.2.3 Influence of plaster, rendering or external covering.....	10
5.2.4 Geometrical parameters.....	10
5.2.5 Connection systems.....	10
6 Report of the extended application analysis	11
Bibliography	12

Foreword

This document (EN 15254-2:2009) 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 December 2009, and conflicting national standards shall be withdrawn at the latest by December 2009.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of 89/106/EEC.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This document provides guidance, and where appropriate defines procedures, for variations of products and element construction parameters related to the design of internal and external non-loadbearing walls made of clay units, calcium silicate units, aggregate concrete units, autoclaved aerated concrete units and gypsum blocks with different types of mortar that have been tested in accordance with EN 1364-1.

Manufactured stone masonry units according to EN 771-5 are not covered.

2 Normative references

The following referenced documents are indispensable for the application 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 771-1, *Specification for masonry units — Part 1: Clay masonry units*

EN 771-2, *Specification for masonry units — Part 2: Calcium silicate masonry units*

EN 771-3, *Specification for masonry units — Part 3: Aggregate concrete masonry units (Dense and light-weight aggregates)*

EN 771-4, *Specification for masonry units — Part 4: Autoclaved aerated concrete masonry units*

EN 772-16, *Methods of test for masonry units — Part 16: Determination of dimensions*

EN 998-1, *Specification for mortar for masonry — Part 1: Rendering and plastering mortar*

EN 998-2, *Specification for mortar for masonry — Part 2: Masonry mortar*

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 1996-1-1, *Eurocode 6 — Design of masonry structures — Part 1-1: General rules for reinforced and unreinforced masonry structures*

EN 1996-1-2:2005, *Eurocode 6 — Design of masonry structures — Part 1-2: General rules — Structural fire design*

EN 1996-3, *Eurocode 6 — Design of masonry structures — Part 3: Simplified calculation methods for unreinforced masonry structures*

EN 12859, *Gypsum blocks — Definitions, requirements and test methods*

EN 12860, *Gypsum based adhesive for gypsum blocks — Definitions, requirements and test methods*

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

EN 15318, *Design and application of gypsum blocks*