

**Fire resistance tests for non-loadbearing elements
- Part 4: Curtain walling - Part configuration**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1364-4:2007 sisaldab Euroopa standardi EN 1364-4:2007 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 20.04.2007 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

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This Estonian standard EVS-EN 1364-4:2007 consists of the English text of the European standard EN 1364-4:2007.

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Võtmesõnad:

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English Version

Fire resistance tests for non-loadbearing elements - Part 4: Curtain walling - Part configuration

Essais de résistance au feu des éléments non-porteurs -
Partie 4: Façades rideaux - Configuration partielle

Feuerwiderstandsprüfungen für nichttragende Bauteile -
Teil 4: Vorhangfassaden - Teilausführung

This European Standard was approved by CEN on 9 December 2006.

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.

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Foreword

This document (EN 1364-4:2007) 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of an identical text or by endorsement, at the latest by September 2007, and conflicting national standards shall be withdrawn at the latest by September 2007.

EN 1364 "*Fire resistance tests for non-loadbearing elements*" consists of the following:

- *Part 1: Walls,*
- *Part 2: Ceilings,*
- *Part 3: Curtain walling – Full configuration (complete assembly),*
- *Part 4: Curtain walling – Part configuration.*

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 United Kingdom.

Introduction

WARNING

The attention of all persons concerned with managing and carrying out this fire resistance test is drawn to the fact that fire testing can be hazardous and that there is a possibility that toxic and/or harmful smoke and gases can be developed during the test. Mechanical and operational hazards can also arise during the construction of the test elements or structures, their testing and disposal of test residues.

An assessment of all potential hazards and risks to health should be made and safety precautions should be identified and provided. Written safety instructions should be issued. Appropriate training should be given to relevant personnel. Laboratory personnel should ensure that they follow written safety instructions at all times.

1 Scope

This European Standard specifies a method for determining the fire resistance of parts of curtain walling incorporating non-fire-resistant infilling product, e.g. glazing. It examines the fire resistance to internal and external fire exposure of:

- spandrels, including downstand, upstand or the combinations thereof,
- the horizontal linear gap seal and
- the fixings used to attach the curtain walling to the floor element.

The test method includes an assessment regarding falling parts that are liable to cause personal injury.

This European Standard does not cover over-cladding systems and ventilated façade systems on external walls. It does not deal with the reaction to fire behaviour of curtain walling.

This standard can also be used to determine fire resistance of parts of curtain walling to increase the field of application when previously tested to EN 1364-3.

This standard is intended to be read in conjunction with EN 1363-1 and EN 1363-2.

NOTE Annex A gives informative guidance on the principles of testing parts of curtain walling and the test method.

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 1363-1:1999, *Fire resistance tests — Part 1: General requirements*

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

EN 1364-3:2006, *Fire resistance tests for non-loadbearing elements — Part 3: Curtain walling — Full configuration (complete assembly)*

EN 13501-2:2006, *Fire classification of construction products and building elements - Part 2: Classification using data from fire resistance tests, excluding ventilation services*

EN 13830:2003, *Curtain walling — Product standard*

EN ISO 13943:2000, *Fire safety - Vocabulary (ISO 13943:2000)*