Fire resistance tests for nonloadbearing elements - Part 3: Curtain walling - Full configuration (complete assembly)

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1364-3:2007 sisaldab Euroopa standardi EN 1364-3:2006 ingliskeelset teksti.	This Estonian standard EVS-EN 1364-3:2007 consists of the English text of the European standard EN 1364-3:2006.
Käesolev dokument on jõustatud 14.09.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 14.09.2007 with the notification being published in the official publication of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti	The standard is available from Estonian standardisation organisation.

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This European Standard specifies a method for determining the fire resistance of curtain walling systems – full configuration.

Scope:

This European Standard specifies a method for determining the fire resistance of curtain walling systems – full configuration.

ICS 13.220.50

Võtmesõnad:

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

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English Version

Fire resistance tests for non-loadbearing elements - Part 3: Curtain walling - Full configuration (complete assembly)

Essais de résistance au feu des éléments non-porteurs dans les bâtiments - Partie 3: Façades rideaux -Configuration en grandeur réelle (assemblage complet) Feuerwiderstandsprüfungen für nichttragende Bauteile -Teil 3: Vorhangfassaden - Gesamtausführung

This European Standard was approved by CEN on 24 August 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 Central Secretariat 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 Central Secretariat has the same status as the official versions

CEN members are the national standards bodies of Austria, Belgium, 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: rue de Stassart, 36 B-1050 Brussels

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Foreword

This document (EN 1364-3:2006) 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 March 2007, and conflicting national standards shall be withdrawn at the latest by March 2007.

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 the Construction Products Directive.

EN 1364 'Fire resistance tests for non-loadbearing elements' consists of the following Parts:

- Part 1: Walls
- Part 2: Ceilings
- Part 3: Curtain walling Full configuration (complete assembly)
- Part 4: Curtain walling Part configuration¹⁾

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, 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.

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¹⁾ To be published.

Introduction

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

An assessment of all potential hazards and risks to health should be made and safety precautions should be dia ritten atory pe. 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 curtain walling systems – full configuration.

This European Standard is used in conjunction with EN 1363-1.

NOTE Annex A gives further information on the test method.

The test method is applicable to curtain walling systems, supported by the floor slab(s), designed for the purpose of providing fire resistance. The test is not appropriate for testing curtain walling systems which incorporate non-fire resistant glazing.

The fire resistance of curtain walling systems can be determined under internal or external exposure conditions. In the latter case the external fire exposure curve given in EN 1363-2 is used.

Tests on individual parts of a curtain walling system (e.g. horizontal linear gap seal, panel) or systems with non-fire resistant glazing as windows are performed using prEN 1364-4. For vertical gap seals, this standard (EN 1364-3) applies.

Overcladding is not covered by this European Standard.

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

prEN 13119²⁾, Curtain walling — Terminology

EN ISO 13943:2000, Fire safety — Vocabulary (ISO 13943:2000)

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 1363-1:1999, prEN 13119², EN ISO 13943:2000 and the following apply.

3.1

non-loadbearing wall

wall designed not to be subject to any load other than its self-weight

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²⁾ To be published.