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Fire resistance tests for service installations - Part 7: Conveyor systems and their closures

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käsitlusala:	Scope:
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.
23.09.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	with the notification being published in the official publication of the Estonian national standardisation organisation.
Käesolev dokument on iõustatud	This document is endorsed on 23.09.2004
1366-7:2004 ingliskeelset teksti.	European standard EN 1366-7:2004.
Kaesolev Eesti standard EVS-EN 1366- 7:2004 sisaldab Euroopa standardi EN	This Estonian standard EVS-EN 1366- 7:2004 consists of the English text of the

Käsitlusala:	Scope:
This part of this European Standard	This part of this European Standard
specifies a method of fire testing to	specifies a method of fire testing to
determine the fire resistance of closure	determine the fire resistance of closure
and conveyor system assemblies	and conveyor system assemblies
designed for installation within openings	designed for installation within openings
of separating elements, including any	of separating elements, including any
sealing necessary between the closure for	sealing necessary between the closure for
a conveyor system and any penetrating	a conveyor system and any penetrating
components like conveyor tracks,	components like conveyor tracks,
electrical cables and pneumatic pipes	electrical cables and pneumatic pipes
being essential parts of the closure and	being essential parts of the closure and
conveyor system assembly together with	conveyor system assembly together with
the penetration seal.	the penetration seal.

ICS 13.220.50

Võtmesõnad: fire protection, flame propagation, high te, hoisting devices, house installations, service installations in buildings, shafts, shafts with installed services, structural fire protection, surface spread of flame, temperature, testing, transportation systems

Eesti Standardikeskusele kuulub standardite reprodutseerimis- ja levitamisõigus

EUROPEAN STANDARD NORME EUROPÉENNE **EUROPÄISCHE NORM**

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English version

Fire resistance tests for service installations - Part 7: Conveyor systems and their closures

Essais de résistance au feu des installations techniques -Partie 7: Fermetures de passages pour convoyeurs et bandes transporteuses

Feuerwiderstandsprüfungen für Installationen - Teil 7: Förderanlagen und ihre Abschlüsse

This European Standard was approved by CEN on 2 February 2004.

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.

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

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Foreword

This document (EN 1366-7:2004) 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 2004, and conflicting national standards shall be withdrawn at the latest by December 2004.

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

EN 1366 'Fire resistance tests for service installations' consists of the following parts:

- Part 1: Ducts
- Part 2: Fire dampers
- Part 3¹): Penetration seals
- Part 4¹⁾: Linear joint seals
- Part 5: Service ducts and shafts
- Part 6¹): Raised access floors and hollow floors
- Part 7: Conveyor systems and their closures
- Part 8¹⁾: Smoke extraction ducts
- Part 9¹): Single compartment smoke extraction ducts
- Part 10¹⁾: Smoke control dampers
- Part 11¹⁾: Fire protective systems for essential services
- rg. Annex A and annex B are normative and annex C is informative.

¹⁾ In course of preparation.

This document includes a Bibliography.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following re Ces. Poland, F 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, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

This part of this European Standard was developed to provide a method of fire resistance testing for assessing the contribution of a closure for a conveyor system together with all its anchoring parts and the frame/guide included to the fire resistance of a separating element when penetrated by a conveyor system including any relevant penetrating components.

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, 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.

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1 Scope

This part of this European Standard specifies a method of fire testing to determine the fire resistance of closure and conveyor system assemblies designed for installation within openings of separating elements, including any sealing necessary between the closure for a conveyor system and any penetrating components like conveyor tracks, electrical cables and pneumatic pipes being essential parts of the closure and conveyor system assembly together with the penetration seal.

This part of European Standard is not applicable to other test methods required to fully assess closures for conveyor systems, e.g. test methods to evaluate the serviceability and reliable functioning of interconnected systems.

The fire testing of fire dampers for heating and ventilation systems, fire doors and shutters for normal traffic paths and the movement of liquid and combustible gas, are specifically excluded from this European Standard.

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

In the absence of any European Technical Specification for closure and conveyor system assemblies, this European Standard gives advice on the classification of durability for closure and conveyor system assemblies.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

prEN 520, Gypsum plasterboards — Definitions, requirements and test methods.

EN 1191, Windows and doors — Resistance to repeated opening and closing — Test method.

EN 1363-1, Fire resistance tests — Part 1: General requirements.

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

prEN 1366-3, Fire resistance tests for service installations — Part 3: Penetration seals.

EN 1634-1, Fire resistance tests for door and shutter assemblies — Part 1: Fire doors and shutters.

EN 12605, Industrial, commercial and garage doors and gates — Mechanical aspects — 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 ISO 13943, Fire safety — Vocabulary (ISO 13943:2000).