

Reaction to fire tests for building products - Conditioning procedures and general rules for selection of substrates

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 13238:2002 sisaldab Euroopa standardi EN 13238:2001 ingliskeelset teksti.	This Estonian standard EVS-EN 13238:2002 consists of the English text of the European standard EN 13238:2001.
Käesolev dokument on jõustatud 16.01.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 16.01.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

Käsitlusala: This standard specifies the conditioning procedures for samples of building products, and the rules for the selection of substrates for floor coverings and wall/ceiling surface products, when carrying out reaction to fire tests.	Scope: This standard specifies the conditioning procedures for samples of building products, and the rules for the selection of substrates for floor coverings and wall/ceiling surface products, when carrying out reaction to fire tests.
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ICS 13.220.50, 91.100.01

Võtmesõnad: ceilings, coatings, constructional products, definition, definitions, fire safety, fire tests, flame propagation, flammability, floor coverings, girders, ground areas, selection, surface spread of flame, test equipment, testing, wall coverings, wall surfaces

English version

Reaction to fire tests for building products

Conditioning procedures and general rules for selection of substrates

Essais de réaction au feu des
produits de construction – Mode
opératoire du conditionnement et
règles générales de sélection des
substrats

Prüfungen zum Brandverhalten von
Bauprodukten – Konditionierungs-
verfahren und allgemeine Regeln für
die Auswahl von Trägerplatten

This European Standard was approved by CEN on 2001-04-07.

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 Management Centre or to any CEN member.

The European Standards exist 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This European Standard 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 November 2001, and conflicting national standards shall be withdrawn at the latest by December 2003.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

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

Introduction

The Construction Products Directive requires products to be tested in their end-use condition which, for the purpose of substrates, could lead to an economically unrealistic large variety of tests to be carried out. This large spectrum has been reduced to a practical number of standard substrates that enables the majority of end-use conditions to be represented. Rules for the selection of such substrates are given in this European Standard.

This European Standard is intended for use in conjunction with CEN test methods covering reaction to fire tests for building products.

As agreed by the CEN co-ordination group for fire (CEN/BT WG50), no irreversible preconditioning treatments are covered in this European Standard. Such treatments are dealt with in the relevant product standards.

The conditioning times given in this standard are based on current knowledge at the time of drafting. Any information resulting from experience in using the standard will be taken into account in any future revision.

1 Scope

This European Standard specifies the conditioning procedures for samples of building products, and the rules for the selection of substrates for floor coverings and wall/ceiling surface products, when carrying out reaction to fire tests.

This European Standard does not cover pre-drying procedures for prEN ISO 1182 or the washing and cleaning procedures relating to durability aspects, which are covered by product standards.

2 Normative references

This European Standard incorporates, by dated or undated reference, provisions from other publications. These normative references are cited at 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).

EN 312-2, *Particleboards - Specifications - Requirements for general purpose boards for use in dry conditions*

prEN 520, *Gypsum plasterboards - Definitions, requirements and test methods*

prEN ISO 1182, *Reaction to fire tests for building products - Non-combustibility test (ISO/DIS 1182:1998)*

ISO 390, *Products in fibre-reinforced cement - Sampling and inspection*

ISO 1887, *Textile glass - Determination of combustible matter content*

EN ISO 13943, *Fire safety - Vocabulary (ISO 13943:1999)*

prEN ISO 9239-1, *Reaction to fire tests for floorcoverings - Part 1: Determination of the burning behaviour using a radiant heat source (ISO/DIS 9239-1:1998)*

3 Terms and definitions

For the purpose of this European Standard, the terms and definitions given in EN ISO 13943, together with the following, apply:

3.1

assembly

see EN ISO 13943

NOTE The assembly may include an air gap.

3.2

material

single basic substance or uniformly dispersed mixture of substances e.g. metal, stone, timber, concrete, mineral wool with dispersed binder, polymers

3.3

product

material, element or component about which information is required