SLOVENSKI STANDARD
SIST EN 13823:2011/kFprA1:2014

01-julij-2014

Preskusi odziva gradbenih proizvodov na ogenj - Gradbeni proizvodi razen talnih oblog, izpostavljeni toplotnemu delovanju enega samega gorečega predmeta

Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item

Prüfungen zum Brandverhalten von Bauprodukten - Thermische Beanspruchung durch einen einzelnen brennenden Gegenstand für Bauprodukte mit Ausnahme von Bodenbelägen

Essais de réaction au feu des produits de construction - Produits de construction à l'exclusion des revêtements de sol exposés à une sollicitation thermique provoquée par un objet isolé en feu

Ta slovenski standard je istoveten z: EN 13823:2010/FprA1

ICS:

13.220.50	Požarna odpornost gradbenih materialov in elementov	Fire-resistance of building materials and elements
91.060.01	Stavbni elementi na splošno	Elements of buildings in general
91.100.01	Gradbeni materiali na splošno	Construction materials in general

SIST EN 13823:2011/kFprA1:2014 en,fr,de

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

FINAL DRAFT
EN 13823:2010

FprA1

May 2014

ICS 13.220.50; 91.060.01; 91.100.01

English Version

Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item

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This draft amendment is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 127.

This draft amendment A1, if approved, will modify the European Standard EN 13823:2010. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

This draft amendment was established by CEN 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-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Ref. No. EN 13823:2010/FprA1:2014 E

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Foreword

This document (EN 13823:2010/FprA1:2014) has been prepared by Technical Committee CEN/TC 127 “Fire safety in buildings”, the secretariat of which is held by BSI.

This document is currently submitted to the Unique Acceptance Procedure.

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

1 Modification to A.5.1.1

Replace List Entry b) with the following one:

"

b) Calculation of the oxygen depletion factor:

$$\varnothing(t) = \frac{\left\lfloor \bar{x}\mathrm{O}_2(30\,\mathrm{s}...90\,\mathrm{s})\left(1 - x\mathrm{CO}_2(t)\right)\right\rfloor - \left\lfloor x\mathrm{O}_2(t)\left(1 - \bar{x}\mathrm{CO}_2\left(30\,\mathrm{s}...90\,\mathrm{s}\right)\right)\right\rfloor}{\bar{x}\mathrm{O}_2(30\,\mathrm{s}...90\,\mathrm{s})\left(1 - x\mathrm{O}_2(t) - x\mathrm{CO}_2(t)\right)} \quad \text{(A.10)}$$

where

$\varnothing(t)$	is the oxygen depletion factor
$x\mathrm{O}_2(t)$	is the oxygen concentration in mole fraction
$x\mathrm{CO}_2(t)$	is the carbon dioxide concentration in mole fraction
$\bar{x}\mathrm{O}_2\left(30\,\mathrm{s}...90\,\mathrm{s}\right)$	is the average oxygen concentration in mole fraction measured between 30 and 90 s after the start of the test
$\bar{x}\mathrm{CO}_2\left(30\,\mathrm{s}...90\,\mathrm{s}\right)$	is the average carbon dioxide concentration in mole fraction measured between 30 and 90 s after the start of the test

".