



SLOVENSKI STANDARD
SIST EN 13170:2013+A1:2015/oprA2:2018
01-november-2018

**Toplotnoizolacijski proizvodi za stavbe - Proizvodi iz ekspanzirane plute (ICB) -
Specifikacija**

Thermal insulation products for buildings - Factory made products of expanded cork
(ICB) - Specification

Wärmedämmstoffe für Gebäude - Werkmäßig hergestellte Produkte aus expandiertem
Kork (ICB) - Spezifikation

Produits isolants thermiques pour le bâtiment - Produits manufacturés en liège expansé
(ICB) - Spécification

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Ta slovenski standard je istoveten z: EN 13170:2012+A1:2015/prA2

ICS:

91.100.60	Materiali za toplotno in zvočno izolacijo	Thermal and sound insulating materials
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EUROPEAN STANDARD
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English Version

Thermal insulation products for buildings - Factory made products of expanded cork (ICB) - Specification

Produits isolants thermiques pour le bâtiment -
Produits manufacturés en liège expansé (ICB) -
Spécification

Wärmedämmstoffe für Gebäude - Werkmäßig
hergestellte Produkte aus expandiertem Kork (ICB) -
Spezifikation

This draft amendment is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 88.

This draft amendment A2, if approved, will modify the European Standard EN 13170:2012+A1:2015. 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

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Contents	Page
European foreword.....	3
1 Modification to the European foreword	4
2 Modification to the Scope	4
3 Modification to Clause 2, Normative references.....	4
4 Modification to Clause 3, Terms, definitions, symbols, units and abbreviated terms	5
5 Modification to Clause 4, Requirements	5
6 Modification to 4.2.9, Apparent density.....	5
7 Modification to 4.3.3, Compressive stress or compressive strength.....	5
8 Modification to 4.3.4 , Tensile strength perpendicular to faces.....	6
9 Modification to 4.3.7, Short term water absorption.....	6
10 Modification to 4.3.13, Release of dangerous substances	6
11 Modification to 4.3.15, Continuous glowing combustion	7
12 Modification to 5.3.2, Thermal resistance and thermal conductivity.....	7
13 Modification to Clause 6, Designation code	9
14 Modification to Clause 7, Type testing (TT) and factory production control (FPC).....	10
15 Modification to Annex ZA, Clauses of this European Standard addressing the provisions of the EU Construction Products Regulation.....	11

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European foreword

This document (EN 13170:2012+A1:2015/prA2:2018) has been prepared by Technical Committee CEN/TC 88 “Thermal insulating materials and products”, the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

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

For relationship with EU Regulation, see informative Annex ZA which is an integral part of this document.

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EN 13170:2012+A1:2015/prA2:2018 (E)**1 Modification to the European foreword**

In the fifth paragraph, delete ", and supports essential requirements of EU Directive(s)."

Delete the ninth paragraph (list of changes) and replace the tenth and eleventh paragraph with the following:

"Amendment A2 modifies EN 13170:2012 and its A1 amendment. This amendment introduces or corrects:

- a) Modified the clause "Apparent density" (4.2.9);
- b) Modified the clause "Compressive stress or compressive strength" (4.3.3);
- c) Modified the clause "Tensile strength perpendicular to faces" (4.3.4);
- d) Modified the clause "Short term water absorption" (4.3.7);
- e) Introduced the clause "Continuous smouldering";
- f) Modified the clause "Release of Dangerous substance";
- g) Modified the definition for "class F" in the clause "reaction to fire";
- h) Editorial modifications in different parts of the text and linked to the above modification;
- i) Modifications to be in line with the CPR, e.g. PTD replaced by TT ;
- j) Modified the Annex ZA." [SIST EN 13170:2013+A1:2015/oprA2:2018](https://standards.iteh.ai/catalog/standards/sist/b348c7cd-cca2-497f-8051-4177935128c1/sist-en-13170-2013a1-2015-oprA2-2018)

In the fourteenth paragraph, add the following standard to the end of the list of standards:

"EN 16069, *Thermal insulation products for buildings — Factory made products of polyethylene foam (PEF) — Specification*"

2 Modification to the Scope

Replace the first sentence with:

"This European Standard specifies the characteristics for factory made products of expanded cork, which are used for the thermal insulation of buildings."

Replace the third paragraph with:

"This standard describes product characteristics and includes procedures for testing, assessment and verification of constancy of performance (AVCP), marking and labelling."

3 Modification to Clause 2, Normative references

Add the following references:

"EN 16516, *Construction products — Assessment of release of dangerous substances — Determination of emissions into indoor air*

EN 16733:2016, *Reaction to fire tests for building products — Determination of a building product's propensity to undergo continuous smouldering*".

4 Modification to Clause 3, Terms, definitions, symbols, units and abbreviated terms

Delete the terms and definition for "3.1.4 level" and "3.1.5 class" and modify the numbers of the remaining terms accordingly.

Add the following symbols:

"

S-NoS is the Continuous Smouldering declaration (NoS means no Smouldering and S means Smouldering)

ANP Smouldering assessment not possible

".

Delete the following abbreviated terms:

PTD is **P**roduct **T**ype **D**etermination (previously named ITT for Initial Type Test)

VCP is **V**erification of **C**onstancy of **P**erformance (previously named evaluation of conformity)

Add the following abbreviated term:

"

TT is **T**ype **T**esting

".

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5 Modification to Clause 4, Requirements (Standard iTeh.ai)

In the title, replace "Requirements" with "Characteristics".

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6 Modification to 4.2.9 Apparent density

Replace the text in the clause with the following:

"Apparent density, ρ_a , shall be determined in accordance with EN 1602. The product shall be protected from rain during storage."

7 Modification to 4.3.3, Compressive stress or compressive strength

Replace Table 6 with the following:

"Table 6 — Levels for compressive stress at 10 % deformation

Level	Requirement kPa
CS(10)90	≥ 90
CS(10)100	≥ 100
CS(10)110	≥ 110
CS(10)120	≥ 120
CS(10)150	≥ 150
CS(10)200	≥ 200
CS(10)220	≥ 220
CS(10)250	≥ 250

EN 13170:2012+A1:2015/prA2:2018 (E)

"

8 Modification to 4.3.4 , Tensile strength perpendicular to faces

Replace Table 7 with the following:

"Table 7 — Levels for tensile strength perpendicular to faces

Level	Requirement kPa
TR30	≥ 30
TR40	≥ 40
TR50	≥ 50
TR60	≥ 60
TR70	≥ 70
TR80	≥ 80

"

9 Modification to 4.3.7, Short term water absorption

Replace the table with the following:

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"

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Level	Requirement kg/m ²
WS0,2	≤ 0,2
WS0,3	≤ 0,3
WS0,4	≤ 0,4
WS0,5	≤ 0,5

"

10 Modification to 4.3.13, Release of dangerous substances

Replace the text in the clause with the following:

"If the release of dangerous substances¹⁾ into indoor air is tested, this shall be done according to EN 16516.

NOTE An informative database covering European and national provisions on dangerous substances is available at the Construction web site on EUROPA accessed through: <http://ec.europa.eu/growth/tools-databases/cpds>."

1) See for reference the LCI list of the European Commission "Agreed EU-LCI values" (http://ec.europa.eu/growth/sectors/construction/eu-lci/values_en).

11 Modification to 4.3.15, Continuous glowing combustion

Replace the current title of the clause with: "Propensity to undergo continuous smouldering".

Replace the text in the clause with the following:

"When declared the propensity to undergo continuous smouldering of expanded cork shall be tested according to EN 16733. The following conditions and parameters shall be considered within the tests:

- density according to EN 1602;
- thickness to be determined by test according EN 823.

The test is intended for naked core products. Any facings or coatings are removed when preparing the test specimen

The tests shall be done without consideration of the intended end-use conditions. If the paragraph 6.2.5 of EN 16733 applies, a permanent contact between the pieces shall be assured.

The results of tests considering the aforementioned parameters in fully are also valid for products:

- with equal or lower density up to a tested density of 115 kg/m³;
- if tested density is higher than 115 kg/m³, can be applicable to lower density if additionally tested with a density of 100 kg/m³ ($\pm 15\%$);
- with lower thickness and also with higher thickness when 100 mm thick specimens were tested;
- with any facings or coatings or suchlike;
- for any end-use conditions.

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If the test according to Clause 11 of EN 16733:2016 has been passed, declare: "the product does not show propensity for continuous smouldering combustion". If the test according to Clause 11 of EN 16733:2016 has been failed, declare: "the product shows propensity for continuous smouldering combustion". If the assessment was not possible according to Clause 11 of EN 16733:2016, declare: "assessment of the propensity for continuous smouldering combustion is not possible".

If a Designation code is given, the following abbreviations shall be used:

- the product does not show propensity for continuous smouldering combustion: NoS
- the product shows propensity for continuous smouldering combustion: S
- the assessment of the propensity for continuous smouldering combustion is not possible: ANP".

12 Modification to 5.3.2, Thermal resistance and thermal conductivity

Replace Table 9 with the following: