

**SLOVENSKI STANDARD**  
**SIST EN 15501:2016/oprA1:2019**  
**01-januar-2019**

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**Toplotnoizolacijski proizvodi za opremo stavb in industrijske inštalacije -  
Proizvodi iz ekspandiranega perlita (EPB) in vermikulita (EV) - Specifikacija**

Thermal insulation products for building equipment and industrial installations - Factory made expanded perlite (EP) and exfoliated vermiculite (EV) products - Specification

Wärmedämmstoffe für die technische Gebäudeausrüstung und für betriebstechnische Anlagen in der Industrie - Werkmäßig hergestellte Produkte aus Blähperlit (EP) und expandiertem Vermiculit (EV) - Spezifikation

Produits isolants thermiques pour l'équipement du bâtiment et les installations industrielles - Produits manufacturés en perlite expansée (EP) et à base de vermiculite exfoliée (EV) - Spécification

**Ta slovenski standard je istoveten z: EN 15501:2015/prA1**

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**ICS:**

91.100.60	Materiali za toplotno in zvočno izolacijo	Thermal and sound insulating materials
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**SIST EN 15501:2016/oprA1:2019**      **en,fr,de**

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Full standard:  
<https://standards.iteh.ai/catalog/standards/sist/61b4535e1-c75a-4a68-b826-f0ef1829963f/sist-en-15501-2016-oprA1-2019>

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**EN 15501:2015**  
**prA1**

November 2018

ICS 91.100.60

English Version

# Thermal insulation products for building equipment and industrial installations - Factory made expanded perlite (EP) and exfoliated vermiculite (EV) products - Specification

Produits isolants thermiques pour l'équipement du bâtiment et les installations industrielles - Produits manufacturés en perlite expansée (EP) et à base de vermiculite exfoliée (EV) - Spécification

Wärmedämmstoffe für die technische Gebäudeausrüstung und für betriebstechnische Anlagen in der Industrie - Werkmäßig hergestellte Produkte aus Blähperlite (EP) und expandiertem Vermiculit (EV) - 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 A1, if approved, will modify the European Standard EN 15501:2015. 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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## European foreword

This document (EN 15501:2015/prA1:2018) 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 amendment modifies EN 15501:2015 identifying those clauses of the standard which are needed for the compliance of this European Standard with the Construction Products Regulation (CPR).

This amendment introduces:

- a) an update for the normative references;
- b) an update for 4.3.8 Release of dangerous substances by referencing EN 16516 and corresponding adaptations in the document;
- c) the deletion of 4.3.9 Continuous glowing combustion;
- d) the reaction to fire classes "E" und "F" in Annex A;
- e) the new Annex ZA;
- f) editorial changes.

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

For relationship with Regulation (EU) No. 305/2011, see informative Annex ZA, which is an integral part of this document.

**EN 15501:2015/prA1:2018 (E)****1 Modification to the European foreword**

*Delete "and supports essential requirements of Regulation (EU) No. 305/2011" from the 7th paragraph.*

*The European foreword will be updated using the latest template texts and listing the modifications as described in the foreword of this document.*

**2 Modifications to the Scope**

*Replace "requirements" with "characteristics" in the 1<sup>st</sup> paragraph.*

*Replace "evaluation of conformity" with "assessment and verification of constancy of performance (AVCP)" in the 4th paragraph.*

*Replace "declared" with "measured" in the 7th paragraph.*

*Replace "European Standard" with "document" in the whole Scope.*

**3 Modification to Clause 2, "Normative references"**

*Add:*

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

**4 Modifications to 3.1.2, "Additional terms and definitions"**

*Delete term 3.1.2.1 "level".*

*Delete term 3.1.2.2 "class".*

**5 Modification to 3.2.2, "Abbreviations used in this standard"**

*Delete the abbreviations "PTD" and "VCP" and their explanations.*

*Add:*

*"*

**CWFT** is Classification without further testing

*"*

**6 Modification to Clause 4, "Requirements"**

*Replace the title of Clause 4 with the following: "Characteristics".*

**7 Modification to 4.1, "General"**

*Delete the second sentence from the first paragraph.*

**8 Modification to 4.2.1, "Thermal conductivity"**

*Delete "by the manufacturer" from the 2nd paragraph (two times).*

## 9 Modification to 4.2.4, "Reaction to fire "

*Replace the last paragraph with the following:*

"Reaction to fire class A1 without further test is declared when it is demonstrated by testing in accordance with EN 13820 that the products do not contain more than 1,0 % by weight or volume (whichever is the more onerous) of organic matter.".

## 10 Modification to 4.3.1, "General"

*Delete "by the manufacturer".*

## 11 Modification to 4.3.8, "Release of dangerous substances"

*Replace the paragraphs and the NOTE with the following:*

"If declared, the release of dangerous substances<sup>1)</sup> into indoor air shall be tested according to EN 16516.

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

## 12 Modification to 4.3.9, "Continuous glowing combustion"

*Delete subclause 4.3.9.*

## 13 Modifications to 5.3.1, "General"

*In Table 4 "Test methods, test specimens and conditions" replace the lines "4.3.8 (release of dangerous substances)" with the following:*

"

Clause		Test method		Test specimen dimensions <sup>a</sup>	Minimum number of measurements to get one test result	Specific conditions
No.	Title	Flat	Cylindrical			
4.3.8	Release of dangerous substances	EN 16516	EN 16516	see EN 16516	see EN 16516	see EN 16516

".

*In Table 4, delete the line "4.3.9 (Continuous glowing combustion)".*

*In Table 4, delete footnote 'b'.*

## 14 Modification to 5.3.2, "Thermal conductivity"

*Replace 'PTD' with 'type testing' in the fifth paragraph.*

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<sup>1)</sup> 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](http://ec.europa.eu/growth/sectors/construction/eu-lci/values_en))

## EN 15501:2015/prA1:2018 (E)

**15 Modification to Clause 6, "Designation code"**

*Replace the first paragraph with the following:*

"If a designation code is provided it shall be given as follows:".

**16 Modifications to Clause 7, "Assessment and verification of constancy of performance — AVCP"**

*Replace subclauses 7.1 and 7.2 with the following:*

"

**7.1 General**

In accordance with EN 13172, the compliance of the factory made expanded perlite (EP) and exfoliated vermiculite (EV) products with the requirements of this standard and with the performances declared by the manufacturer in the DoP shall be demonstrated by:

- Determination of the product type (Type testing);
- Factory Production Control (FPC) by the manufacturer, including product assessment;
- Initial inspection of manufacturing plant and of Factory Production Control (FPC);
- Continuing surveillance, assessment and evaluation of Factory Production Control (FPC).

The manufacturer shall always retain the overall control and shall have the necessary means to take responsibility for the conformity of the product with its declared performance(s).

If a manufacturer decides to group his products, it shall be done in accordance with EN 13172.

**7.2 Type testing**

All performances related to characteristics included in this standard shall be determined when the manufacturer intends to declare the respective performances unless the standard gives provisions for declaring them without performing tests (e.g. use of previously existing data, CWFT and conventionally accepted performance).

Type testing for the thermal conductivity curve shall be carried out in accordance with EN ISO 13787.

For Type testing only one test result is required for the thermal conductivity curve and the maximum and minimum service temperature."

*Add the following paragraph as first paragraph to subclause 7.3, Factory Production Control (FPC):*

"The manufacturer shall establish, document and maintain an FPC system to ensure that the products placed on the market comply with the declared performance of the essential characteristics."

*Add the following subclauses:*

"

**7.4 Initial inspection of factory and of FPC**

The initial inspection of the factory and of FPC shall be done in accordance with EN 13172.

**7.5 Continuous surveillance of FPC**

The continuous surveillance of FPC shall be done in accordance with EN 13172."



## 17 Modifications to Clause 8, "Marking and labelling"

Delete the NOTE.

## 18 Modifications to Annex A, "Factory production control"

In Table A.1 "Minimum product testing frequencies" replace line "4.3.8 (release of dangerous substances)" with the following:

"

Clause		Minimum testing frequency <sup>a</sup>		
No.	Title	Direct testing	Indirect testing	
			Test method	Frequency
4.3.8	Release of dangerous substances	1 per 5 years	manufacturer's method	1 per week

".

In Table A.1, delete the line "4.3.9 (Continuous glowing combustion)".

In Table A.1, footnote 'a' replace 'PTD' with 'type testing'.

Replace Table A.2 "Minimum product testing frequencies for the reaction to fire characteristics" with the following:

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Full standard:  
https://standards.iteh.ai/catalog/standards/sist/61b4533d-c75a-4a68-b826-f0ef1829963f/sist-en-15501-2016-oprA1-2019