
**Toplotnoizolacijski proizvodi za opremo stavb in industrijske inštalacije -
Proizvodi iz polietilenske pene (PEF) - Specifikacija**

Thermal insulation products for building equipment and industrial installations - Factory made polyethylene foam (PEF) products - Specification

Wärmedämmstoffe für die technische Gebäudeausrüstung und für betriebstechnische Anlagen in der Industrie - Werkmäßig hergestellte Produkte aus Polyethylenschaum (PEF) - Spezifikation

Produits isolants thermiques pour l'équipement du bâtiment et les installations industrielles - Produits manufacturés en mousse de polyéthylène (PEF) - Spécification

Ta slovenski standard je istoveten z: EN 14313:2015/prA1

ICS:

91.100.60	Materiali za toplotno in zvočno izolacijo	Thermal and sound insulating materials
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SIST EN 14313:2016/oprA1:2019 **en,fr,de**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Full standard:
<https://standards.iteh.ai/catalog/standards/sist/cdf9390-9178-4a01-8c4c-b9108611972/sist-en-14313-2016-oprA1-2019>

EUROPEAN STANDARD
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ICS 91.100.60

English Version

Thermal insulation products for building equipment and industrial installations - Factory made polyethylene foam (PEF) products - Specification

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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 14313:2015. 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.

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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
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European foreword

This document (EN 14313:2015/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 14313:2015 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 4.3.9 Release of dangerous substances by referencing EN 16516 and corresponding adaptations in the document;
- c) the deletion of 4.3.10 Continuous glowing combustion;
- d) the reaction to fire classes "A1", "A2" and "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 14313:2015/prA1:2018 (E)**1 Modification to the European forward**

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 1st 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 3.1.2.5 "level".

Delete term 3.1.2.6 "class".

Renumber the other terms accordingly.

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

Delete the abbreviations "PTD" and "VCP" with their corresponding 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 4.3.1, "General"

Delete "by the manufacturer".

10 Modification to 4.3.5, "Water vapour diffusion resistance"

Add the following NOTE 3 and paragraph at the end of the clause:

"

NOTE 3 Although according to new research the water vapour diffusion process is a function of temperature and follows the law of Arrhenius, it is still common practise to measure and declare the water vapour diffusion resistance at 23 °C (set A EN 13469). Thus, the above MU levels refer to measurements at 23 °C. The effective diffusion resistance under end-use conditions is a function of the mean temperature and therefore depends on the application temperatures, i.e. line- and ambient temperatures. German VDI 2055 Blatt 1 – 3, September 2008, Part 1, Chapter 5.3.3 et seq. considers the above findings already. As a next step experts plan to revise European Standards accordingly. This will regard EN ISO 15758 and EN ISO 23993.

In order to be able to determine water absorption by diffusion data, if required, the water vapour transmission property and/or the water vapour diffusion resistance factor should be determined as a function of temperature."

11 Modification to 4.3.9, "Release of dangerous substances"

Replace the paragraphs and the NOTE with the following:

"If declared, the release of dangerous substances¹⁾ 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-ds/>."

12 Modification to 4.3.10, "Continuous glowing combustion"

Delete subclause 4.3.10.

13 Modification to 5.3.1, "General"

In Table 4 "Test methods, test specimens and conditions" replace the lines "4.3.9 (release of dangerous substances)" with the following:

"

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

"

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)

EN 14313:2015/prA1:2018 (E)

In Table 4, delete the line "4.3.10 (Continuous glowing combustion)".

In Table 4, delete footnote 'd'.

14 Modification to 5.3.2, "Thermal conductivity"

Replace 'PTD' with 'type testing' in the fourth paragraph.

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 Modification 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 polyethylene foam (PEF) 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 Modification to Annex A, "Factory production control"

In Table A.1 "Minimum product testing frequencies" replace line "4.3.9 (release of dangerous substances)" with the following:

"

Clause		Minimum testing frequency ^a
No.	Title	
4.3.9	Release of dangerous substances	1 per 5 years and indirect testing with manufacturer's method 1 per week

"

In Table A.1, delete the line "4.3.10 (Continuous glowing combustion)".

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

In Table A.1, delete footnote 'c'.

Replace Table A.2 with the following:

"