



**SLOVENSKI STANDARD**  
**SIST EN 14314:2010/kFprA1:2012**  
**01-julij-2012**

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

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

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

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

**Ta slovenski standard je istoveten z: EN 14314:2009/FprA1**

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**ICS:**

91.100.60	Materiali za toplotno in zvočno izolacijo	Thermal and sound insulating materials
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<b>SIST EN 14314:2010/kFprA1:2012</b>	<b>en,fr,de</b>
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EUROPEAN STANDARD  
NORME EUROPÉENNE  
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**FINAL DRAFT**  
**EN 14314:2009**

**FprA1**

May 2012

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ICS 91.100.60

English Version

**Thermal insulation products for building equipment and industrial installations - Factory made phenolic foam (PF) products - Specification**

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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 88.

This draft amendment A1, if approved, will modify the European Standard EN 14314:2009. 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
Foreword.....	3
1 Modifications to 4.2.2, Dimensions and tolerances .....	4
2 Modifications to 4.2.3, Dimensional stability .....	4
3 Modification to 4.2.5.3, Durability of thermal resistance against ageing.....	5
4 Modifications to 4.3.5, Compression resistance properties .....	5
5 Modifications to 4.3.7, Water absorption .....	5
6 Modification to 4.3.8, Closed cell content .....	5
7 Modification to 5.2, Conditioning .....	5
8 Modifications to 5.3.1, General.....	5
9 Modification to 5.3.2, Thermal conductivity .....	5
10 Modifications to ZA.1, Scope and relevant characteristics.....	6
11 Modification to ZA.2, Procedures for for attestation of conformity of factory made phenolic foam products .....	6

## Foreword

This document (EN 14314:2009/FprA1:2012) 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 Unique Acceptance Procedure.

This document 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).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

This document has been drafted by Working Group 10 (WG 10) "Building equipment and industrial installations" of CEN/TC 88.

The numbering and headlines in the following correspond to those in EN 14314 for which the amendments and corrections apply.

## EN 14314:2009/FprA1:2012 (E)

## 1 Modifications to 4.2.2, Dimensions and tolerances

In 4.2.2.1, *Linear dimensions, 1<sup>st</sup> paragraph*, replace "the declared values by more than the tolerances given in Table 1" with "the declared value or class by more than the tolerances given in Tables 1 and 2" to read :

"The length,  $l$ , width,  $b$ , and thickness,  $d$ , of boards shall be determined in accordance with EN 822 and EN 823. The length,  $l$ , thickness,  $d$ , and inside diameter,  $D_i$ , of pipe sections, segments and prefabricated ware shall be determined in accordance with EN 13467. No test result shall deviate from the declared value or class by more than the tolerances given in Tables 1 and 2."

Replace Table 1 with the following Table 1 and Table 2:

"

**Table 1 — Dimensional tolerances**

Form of delivery	Length	Width	Thickness	Inside diameter
Boards: (length or width) < 1 250 mm 1 250 – 2 000 mm 2 001 – 4 000 mm > 4 000 mm	± 5 mm ± 7,5 mm ± 10 mm ± 15 mm	± 5 mm ± 7,5 mm not applicable not applicable	see Table 2	not relevant
Pipe section	± 3 mm	—	± 2 mm	– 0 mm + 2 mm <sup>a</sup> – 0 mm + 3 mm <sup>b</sup>
Segments	+ 3 mm	± 2 mm	± 2 mm	– 0 mm + 4 mm
Prefabricated ware	+ 3 mm	—	± 2 mm	—
<sup>a</sup> Applies to inside diameter less than 170 mm. <sup>b</sup> Applies to inside diameter of 170 mm and greater.				

**Table 2 — Classes for thickness tolerances for boards**

Dimensions in millimetres

Nominal thickness	Tolerance	
	T1	T2
< 50	± 2,0	± 1,5
50 to 100	– 2,0 + 3,0	± 1,5
> 100	– 2,0 + 5,0	± 1,5

"

## 2 Modifications to 4.2.3, Dimensional stability

In 4.2.3.1, *first paragraph*, replace "Table 2" with "Table 3" and update table title.

### **3 Modification to 4.2.5.3, Durability of thermal resistance against ageing**

*Replace "Annex D" with "Annex B".*

### **4 Modifications to 4.3.5, Compression resistance properties**

*In 4.3.5.1, first paragraph, replace "Table 3" with "Table 4" and update table title.*

### **5 Modifications to 4.3.7, Water absorption**

*In 4.3.7.1, first paragraph, replace "Table 4" with "Table 5" and update table title.*

*In 4.3.7.2, first paragraph, replace "Table 5" with "Table 6" and update table title.*

### **6 Modification to 4.3.8, Closed cell content**

*Replace the last sentence with:*

"For products whose primary function is thermal insulation the minimum (corrected) closed cell content shall be 90 %."

*to read:*

"Closed cell content (corrected),  $\psi_0$ , shall be determined in accordance with EN ISO 4590. Surface facings or natural skins shall be removed. For products whose primary function is thermal insulation the minimum (corrected) closed cell content shall be 90 %."

### **7 Modification to 5.2, Conditioning**

*Replace 2<sup>nd</sup> paragraph with the following:*

"The conditioning required for the determination of initial thermal conductivity is given in 5.3.2. The conditioning required for the determination of maximum and minimum service temperatures is given in the test methods indicated in Table 7."

### **8 Modifications to 5.3.1, General**

*In the first paragraph, replace "Table 6" with "Table 7" and update table title.*

### **9 Modification to 5.3.2, Thermal conductivity**

*Add as 4<sup>th</sup> and 5<sup>th</sup> paragraphs:*

"For ITT, measurements of thermal conductivity made on two internal diameters of pipe sections at the greatest and smallest insulation thickness for each set of the diameters are deemed to be representative of the total product range.

For FPC, one dimension only is used."

EN 14314:2009/FprA1:2012 (E)

**10 Modifications to ZA.1, Scope and relevant characteristics**

In NOTE 2, replace the link with: "<http://ec.europa.eu/enterprise/construction/cpd-ds/>".

Add the following line in Table ZA.1 before "Water vapour permeability"

"

Water permeability	4.3.7 Water absorption	—	Levels
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**11 Modification to ZA.2, Procedures for for attestation of conformity of factory made phenolic foam products**

In ZA 2.2, add as last paragraph:

"From 1<sup>st</sup> of July 2013, the manufacturer shall issue a declaration of performance in accordance with the Construction Products Regulation no 305/2011.".