



SLOVENSKI STANDARD
SIST EN 13166:2013+A1:2015/kFprA2:2015
01-december-2015

**Toplotnoizolacijski proizvodi za stavbe - Proizvodi iz fenolne pene (PF) -
Specifikacija**

Thermal insulation products for buildings - Factory made phenolic foam (PF) products -
Specification

Wärmedämmstoffe für Gebäude - Werkmäßig hergestellte Produkte aus
Phenolharzschaum (PF) - Spezifikation

Produits isolants thermiques pour le bâtiment - Produits manufacturés en mousse
phénolique (PF) - Spécification

Ta slovenski standard je istoveten z: EN 13166:2012+A1:2015/FprA2

ICS:

91.100.60	Materiali za toplotno in zvočno izolacijo	Thermal and sound insulating materials
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SIST EN
13166:2013+A1:2015/kFprA2:2015

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EUROPEAN STANDARD
NORME EUROPÉENNE
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FINAL DRAFT
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English Version

Thermal insulation products for buildings - Factory made phenolic foam (PF) products - Specification

Produits isolants thermiques pour le bâtiment -
Produits manufacturés en mousse phénolique (PF) -
Spécification

Wärmedämmstoffe für Gebäude - Werkmäßig
hergestellte Produkte aus Phenolharzschaum (PF) -
Spezifikation

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 A2, if approved, will modify the European Standard EN 13166:2012+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.

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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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EN 13166:2012+A1:2015/FprA2:2015 (E)

Contents		Page
European foreword.....		3
1	Modification to the Foreword.....	4
2	Modifications to C.1, General	4
3	Modification to C 4.2.3, Determination of the aged value of thermal conductivity.....	4

European foreword

This document (EN 13166:2012+A1:2015/FprA2:2015) 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.

EN 13166:2012+A1:2015/FprA2:2015 (E)

1 Modification to the Foreword

Just after the paragraph concerning the main changes that were made compared with EN 13166:2008, add the following paragraph:

"Compared with EN 13166:2012+A1:2015 the main changes are:

- introducing a further blowing agent (HFO) 1233zd(E) and 1233zd(E) mixtures with LBL2 and/or pentanes in Annex C of this standard."

2 Modifications to C.1, General

Replace the 5th paragraph with the following one:

"Method 2 (heat ageing) is suitable for all products, with or without facings, expanded with hydrofluorocarbons (e.g. 365mfc, 227ea), iso-propyl chloride, Trans-1-chloro-3,3,3-trifluoropropene (1233zd(E), CAS No. 102687-65-0) (a blowing agent for the use of which consideration should be given to patent EP2154223(B1)), mixtures of pentane and/or iso-propyl chloride (LBL2) and/or 1233zd(E), and mixtures of pentanes with the following characteristics:

- closed cell content ≥ 90 % as determined in accordance with 4.3.10;
- an apparent density of $\geq 30 \text{ kg}\cdot\text{m}^{-3}$ (as determined in accordance with 4.3.9) for products expanded with LBL2 and LBL2/pentane mixtures;
- an apparent density of $\geq 30 \text{ kg}\cdot\text{m}^{-3}$ (as determined in accordance with 4.3.9) for products expanded with LBL2, 1233zd(E) and mixtures of pentanes and/or isopropyl chloride (LBL2) and/or 1233zd(E);
- an apparent density of $\geq 35 \text{ kg}\cdot\text{m}^{-3}$ (as determined in accordance with 4.3.9) for all other products;
- a compressive strength $\geq 100 \text{ kPa}$ as determined in accordance with 4.3.3;
- a cell gas shall be identified in accordance with D.3."

3 Modification to C 4.2.3, Determination of the aged value of thermal conductivity

Replace Table C.2 with the following one:

"

Table C.2 — Increments to be added to accelerated aged values of thermal conductivity to obtain the time averaged value over 25 years (W/m·K)

Products expanded with	LBL2, 1233zd(E), and mixtures of pentanes and/or (LBL2) and/or 1233zd(E)	All others
Diffusion open facing or no facing	0,001	0,002
Diffusion closed facings	0,001	0,001

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