

DECLARATION OF PERFORMANCE

No. CPR-20-IC-251

1. Unique identification code of the product-type:

- 1007234- Uponor Klett panel EPS DEO, 15mm
- 1048807- Uponor Klett panel EPS DEO, 30mm

2. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Thermal insulation for buildings

3. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

Uponor GmbH, Industriestraße 56 D-97437 Hassfurt, Germany

4. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

N/A

5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

6. In case of the declaration of performance concerning a construction product covered by harmonized standard EN 13163:2013-05 for which:

- Laboratorium Łączników i Wyrobów Budowlanych LOK Instytutu Techniki Budowlanej , Accreditation – AB 023
- Laboratorium Badań Ogniwych Instytutu Techniki Budowlanej, Accreditation – AB 023
- Centralny Ośrodek Badawczo – Rozwojowy Przemysłu Izolacji Budowlanej, Accreditation – AB 008
- Güteschutzgemeinschaft Hartschaum e.V. – Notification no. 0919

Performed initial tests type in system: 3 and issued Test reports:

- Report no. 161/09/M-6/λHFM 1 : Thermal properties of construction materials and products – measuring thermal resistance using heat flux – products of high and medium thermal resistance in accordance with PN-EN 12667:2002
- Report no.161/09/396/M-6: compression stress tests at 10% relative strain in accordance with PN-EN 826:1998 and bending strength in accordance with PN-EN 12089:2000
- Report no. LOK-00662/C/10/2: Dimension stability in constant laboratory conditions in accordance with PN-EN 1603:1999 + PN-EN 1603:1999/A1:2006; dimension stability in specified thermal and humidity conditions in accordance with PN-EN 1604:1999 + PN-EN 1604:1999/A1:2006; 20 kPa compression load strain at 80°C within 48 hours in accordance with PN-EN 1605:1999 + PN-EN 1605:1999/A1:2006

- Report no.164/10/363/M-1:Shape and dimension tolerance classes in accordance with: PN-EN 822:1998; PN-EN 823:1998; PN-EN 824:1998; PN-EN 825:1998
- Report Nr LPK-0662.2/23-12/10: Reaction to fire performance – fire resistance at direct flame exposure

7. Declared performance

Properties	Requirements	Class acc. Harmonized technical specification	Harmonised technical specification
Reaction to fire class	E	E	
Thermal conductivity	At the most 0,038 W/mK	$\lambda_D - 0,038$ W/mK	EN 13163:2013-05
Compressive stress at 10% deformation	At least 100 kPa	CS(10)100	
Bending strength	At least 150 kPa	BS150	
Dimension stability under normal laboratory conditions	$\pm 0,5\%$	DS(N)5	
Dimension stability under specified temperature and humidity conditions	Requirements – 2% under special conditions: 48 h and 70°C	DS(70,-)2	
Deformation under specified compressive load and temperature conditions	At the most 5% In special conditions: · Load – 20 kPa · Temperature – (80 \pm 1)°C · Time (48 \pm 1)h	DLT(1)5	
Tensile strength perpendicular to faces		N/a	
Compressive creep		N/a	
Long-term water absorption by immersion		N/a	
Long-term water absorption by diffusion		N/a	
Freeze-thaw resistance		N/a	
Water vapour transmission		N/a	
Release of dangerous substances		N/a	

Properties	Requirements	Class acc. Harmonized technical specification	Harmonised technical specification
Long-term thickness reduction		N/a	
Dynamic stiffness		N/a	
Compressibility		N/a	
Length	$\pm 0,6\%$ or $\pm 3\text{mm}$	L(3)	
Width	$\pm 0,6\%$ or $\pm 3\text{mm}$	W(3)	
Squareness	$\pm 5\text{mm}/1000\text{mm}$	S(5)	
Flatness	10 mm	P(10)	
Thickness	$\pm 2\text{mm}$	T(2)	
Thermal resistance: <ul style="list-style-type: none"> Thickness 15mm Thickness 30mm 	<ul style="list-style-type: none"> 0,39 m²K/W 0,75 m²K/W 		

8. Appropriate Technical Documentation and/or Specific Technical Documentation N/A

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer by:



i.V. Markus Friedrichs

Head of Product Management

Uponor GmbH

Hassfurt, 06.06.2014



i.V. Ralf-Ulrich Nykiel

Head of Supplier Quality Assurance

Uponor GmbH

Ochtrup, 06.06.2014