

## DECLARATION OF PERFORMANCE

No.: 01EPS50/OR/E

1. Unique identification code of the product-type:

**Products manufactured from fireproof expanded polystyrene**

EPS50-EN 13163-T2-L3-W3-S<sub>b</sub>2-P5-BS75-CS(10)50-DS(N)2-DLT(1)5-TR50-WL(T)2

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of CPR: **see product label**

3. Intended use or uses of the construction product, pursuant to the applicable harmonized technical specification as provided for by the manufacturer: **building thermal insulations.**

4. Name, registered trade name or registered trade mark and the contact address of the manufacturer, as required under article 11, paragraph (5):

**S.C. ADEPLAST S.A.**

**Sat Corlătești str. Adeplast nr.164A; Cod poștal: 107063**

**Com. Berceni; jud. Prahova, România; Tel. 0244338000**

5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12, paragraph (2): not relevant

6. System or systems of assessment and verification of constancy of performance of the construction product, as set out in Annex V: **System 3**

7. In case of the declaration of performance concerning a construction product by a harmonized standard: EN 13163+A1:2015

Notified bodies:

- EMI Non-profit Limited Liability Company for Quality Control and Innovation in Building, Dioszegi Street No. 37, 1113 Budapest, Hungary, identification number: NB 1415, which issued the report no. O-23/2016.

- National Institute for Research and Development in Constructions, Zoning and Sustainable Spatial Development, URBAN-INCERC, Șos. Pantelimon no. 266, sector 2, Bucharest, Romania; Cluj Napoca Branch, Calea Florești, no. 117, identification number: NB 1841 which issued the report no. 50/2017; 177/2017

7. Declared performance:

No.	Caracteristici esentiale	Essential characteristics			Standard
1.	Thermal resistance	Thermal resistance	R <sub>D</sub>	see m <sup>2</sup> K/W no.20	<b>EN 13163+A1:2015</b>
		Thermal conductivity	λ <sub>D</sub>	0,040 W/mK	
		Thickness	d <sub>N</sub>	T2	
2.	Reaction to fire	Reaction to fire	E		
3.	Durability of reaction to fire against heat, weathering, ageing/degradation	Durability characteristics	NPD		
4.	Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance	R <sub>D</sub>	see m <sup>2</sup> K/W no.20	
		Thermal conductivity	λ <sub>D</sub>	0,040 W/mK	
		Durability characteristics	NPD		
5.	Compressive strength	Compressive stress or compressive strength	kPa	CS(10)50	
6.	Tensile/Flexural strength	Bending strength	kPa	BS 75	
		Tensile strength perpendicular to faces	kPa	TR 50	
7.	Durability of compressive strength against ageing / degradation	Compressive creep	%	NPD	
		Freeze-thaw resistance	kPa	NPD	
		Long term thickness reduction	%	NPD	
8.	Water permeability	Long term water absorption by immersion	%	WL(T)2	

		Long term water absorption by diffusion	%	NPD	<b>EN 13163+A1:2015</b>
9.	Water vapour permeability	Water vapour transmission	Mg/Pa.h.m	NPD	
10.	Impact noise transmission index (for floors)	Dynamic stiffness	NPD		
		Thickness, $d_L$			
		Compressibility, c			
11.	Continuous glowing combustion	Continuous glowing combustion	NPD		
12.	Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD		
13.	Length		mm	L3	
14.	Width		mm	W3	
15.	Squareness on length		mm/m	S <sub>b</sub> 2	
16.	Squareness on width		mm/m	S <sub>d</sub> 2	
17.	Flatness		mm	P5	
18.	Dimensional stability under constant normal laboratory conditions		%	DS(N)2	
19.	Dimensional stability under specified temperature or specified temperature and humidity conditions		%	DS(70,90)1	

20. Thermal resistance

Grosime(mm)	20	30	40	50	60	70	80	90	100	120	140	150	160	200	300
Valoare(m <sup>2</sup> K/W)	0,50	0,75	1,00	1,25	1,50	1,75	2,00	2,25	2,50	3,00	3,50	3,75	4,00	5,00	7,50

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:  
Head of EPS Division, Oradea: Raul Tamaş



**Manufactured by: SC ADEPLAST SA**

**Business location: Oradea, str. Uzinelor nr.3, Bihor County / February, 2018**

(Place and date of issue)