

DECLARATION OF PERFORMANCE	<i>Page 1 of 2</i>
No. 07/S031_80DP	<i>Version 10</i>

1. Unique identification code of product type:

EPS 80 031 PRO LAMBDA ROOF FLOOR
 EPS EN 13163 T(1)-L(2)-W(2)-Sb(5)-P(5)-BS125-CS(10)80-DS(N)2-DS(70,-)2

2. Intended use or uses:

thermal insulation for buildings.

3. Manufacturer:

Paneltech Sp. z o.o., 41-508 Chorzów, ul. Michałkowicka 24, Poland.

4. System(s) of Assessment and Verification of Constancy of Performance:

System 3

5. Harmonised standard:

EN 13163:2012+A1:2015

Notified Body/ies:

- Technický a zkušební ústav stavební Praha (Notified Body no. 1020)

6. Declared performance:

Table 1

Essential characteristics	Performance	Declared level/ class/ limit value/ NPD ¹⁾	Harmonised technical specification
Thermal resistance	Thermal resistance R_D Thermal conductivity coefficient λ_D	See Table 2 0.031 [W/mK]	EN 13163: 2012+A1:2015
	Thickness, d_N	T(1) (± 1 mm) d_N (See Table 2)	
Reaction to fire	Reaction to fire	E	
Durability of reaction to fire as a function of heat, weather, ageing / degradation.	Durability of properties ²⁾	E	
Durability of thermal resistance as a function of heat, weather, ageing / degradation	Thermal resistance R_D ³⁾ Declared thermal conductivity coefficient λ_D ³⁾	See Table 2 0.031 [W/mK]	
	Durability of properties	DS(70,-)2	
Compressive strength	Compressive stress by 10% deformation	CS(10)80 (≥ 80 kPa)	
Tensile/bending strength	Bending strength	BS125 (≥ 125 kPa)	
	Tensile strength perpendicular to the faces	NPD	

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Essential characteristics	Performance	Declared level/ class/ limit value/ NPD ¹⁾	Harmonised technical specification
Durability of compressive strength as a function of ageing and degradation	Creep when squeezed	NPD	EN 13163: 2012+A1:2015
	Freeze - thaw resistance	NPD	
	Long-term thickness reduction	NPD	
Water permeability	Water absorption with prolonged immersion	NPD	
	Water absorption with prolonged diffusion	NPD	
Water vapour permeability	Water vapour transmission	NPD	
Impact sound insulation index (for floors)	Dynamic stiffness	NPD	
	Thickness, d_L	NPD	
	Compressibility, c	NPD	
Continuous glowing combustion	Continuous glowing combustion	NPD	
Release of hazardous substances to the internal environment	Release of hazardous substances ⁴⁾	NPD	

¹⁾No Performance Determined ²⁾performance parameters of EPS for fire do not deteriorate over time ³⁾thermal conductivity coefficient and thermal resistance do not change over time ⁴⁾European test methods are under development

Table 2 Summary of thermal resistance as a function of thickness

Thickness, d_N [mm]	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
Thermal resistance, R_D [m² K/W]	0.30	0.60	0.95	1.25	1.60	1.90	2.25	2.55	2.90	3.20	3.50	3.85	4.15	4.50	4.80
Thickness, d_N [mm]	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300
Thermal resistance, R_D [m² K/W]	5.15	5.45	5.80	6.10	6.45	6.75	7.05	7.40	7.70	8.05	8.35	8.70	9.00	9.35	9.65

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued in accordance with Regulation (EU) no. 305/2011 under the sole responsibility of the manufacturer referred to above.

Signed for and on behalf of the manufacturer by

WICEPREZES ZARZĄDU

mgr inż. Marek Romański

(name and position)

Chorzów, 03.08.2020