SYMPOR EPS Industries

DECLARATION OF PERFORMANCE
no. 025.2-CPR-2020/08/11

1. Product type: **laminated Polystyrene hard foam thermal insulation panel PS 20 SE (EPS 100) with ALU-PET foil - SYMPOR Tacker panel roll EPS-100 ALU-PET**
2. Type, batch or serial number: **refer to label**
3. Intended use: **thermal insulation for buildings**
4. Manufacturer: **EPS-Industries GmbH, Industriepark Straße 24, 9300 St. Veit/Glan, www.eps-industries.at, office@eps-industries.at**
5. Authorized representative: **not applicable**
6. System for assessing constancy of performance: **system 3**
7. Type test: **NB 1454**
9. Declared performance: EPS - EN 13163 – T(2) – L(3) – W(3) – S(5) – P(5) – DS(N)5 – DS(70,-)3 – DLT(1)5 – CS(10)100 – BS 150

main features	performance	class	declaration	harm. techn. specification
tolerances	thickness	T (2)		EN 13163:2012+A1:2015
	length	L (3)	± 3 mm	
	width	W (3)	± 3 mm	
	squareness	S (5)	± 5 mm/m	
	planeness	P (5)	5 mm	
fire behaviour, persistent smouldering	fire behaviour	Euroclass E		
	persistent smouldering	NPD		
water permeability	water absorption	NPD		
dispensing of dangerous substances inside the building	dispensing of dangerous substances	NPD		
airborne sound insulation sound absorption index, impact sound insulation *(for floors)*	dynamic rigidity	NPD		
	thickness d_L	NPD		
	compressibility	NPD		
heat transfer resistance	heat transfer resistance	see table		
	thermal conductivity	0,038 W/mK		
water vapour diffusion	water vapour diffusion	NPD		
compressive strength	compressive stress at 10 % compression	CS(10)100	100 kPa	
	deformation with defined pressure and temperature stress	NPD		
tensile-/bending strength	bending strength	BS150	150 kPa	
	tensile stress perpendicular to panel plane	NPD		
resistance of fire behaviour to heat, influences of weather aging/degradation	properties of resistance	complied		
resistance of heat transfer, resistance to heat, influences of weather aging/degradation	properties of resistance	complied		
	dimensional stability under defined temperature- and humidity conditions	DS(N)5 DS(70,-)3	± 0,5 % length and width 3 % length, width, thickness	
resistance of compressive strength to aging/degradation	creep behaviour	NPD		
	exposure to freeze/thaw cycling	NPD		
	long-term thickness reduction	NPD		

10. The performance of the product referred to in points 1 and 2 shall be the declared performance referred to in point 9. Responsible for the preparation of this declaration of performance is the manufacturer according to number 4. Signed for the manufacturer and on behalf of the manufacturer:

Dipl. Ing. Siegfried Wilding, GM

St. Veit an der Glan, 04.08.2020

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Table: Thermal resistance according to: EN 13163:2012+A1:2015

d_N mm	R_D m²·K/W
10	0,25
15	0,35
20	0,50
25	0,65
30	0,75

d_N mm	R_D m²·K/W
	0,00
	0,00
	0,00
	0,00
	0,00

d_N mm	R_D m²·K/W
	0,00
	0,00
	0,00
	0,00
	0,00

d_N mm	R_D m²·K/W
	0,00
	0,00
	0,00
	0,00
	0,00

Notified Body:
1454

CE