

DECLARATION OF PERFORMANCE Nr. BP-21-003/PIR/EN

1. Unique identification code of the product-type:

Self-supporting double skin metal faced insulating panels with polyisocyanurate core material and roof joint.

PIR40 R5 1000RP
PIR80 R5 1000RP
PIR100 R5 1000RP
PIR120 R5 1000RP
PIR150 R5 1000RP

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

See product label

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer as required pursuant to Article 11(5):

Thermal insulation products for building applications external and internal walls, ceilings and roofs.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer:

UAB „Baltijos polistirenas“, S. Lozoraičio St. 15 A, Garliava, Kaunas district, Lithuania, LT-53229, Tel.: +370 37 551 518 . Production place: J.Basanavičiaus g.122, Utena, Lithuania

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

Not applicable

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

Reaction to fire and fire resistance characteristics declared according to system 3, by notified body No. 1396.

Other mechanical resistance characteristics declared according to system 4.

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard :

Manufacturer FPC (Factory process control) according to EN 14509:2013 standard perform process and quality tests of products according to system 3. Insulating panels reaction to fire tests and fire resistance tests executed in Fires s.r.o institute Batizovce, Slovakia.

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in **Annex No. 1**. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Audrius Česnavičius, technical director

Kaunas 2021-01-04

Annex No. 1 Declared performance

Panels Type	Roof joint PIR core material					Standard
	Application	Roof panels				
Thickness, mm	40	80	100	120	150	
Core density, kg/m ³	40 ± 3					
External metal sheet	0,50; 0,60; 0,70 mm S280GD+Z225; S280GD+Z275; S280GD+Z190 PE, PVDF, PUR, Foodsafe; Linear; mikro-profiling; flat					
Internal metal sheet	0,40; 0,50; 0,60 mm S280GD+Z225; S280GD+Z275; S280GD+Z190 PE, PVDF, PUR, Foodsafe Linear; flat					
Thermal conductivity, λ _D	0,022 W/m·K					
Thermal transmittance, U _{d,s}	0,55	0,28	0,22	0,18	0,15	
Fire reaction class	B-s3,d0	B-s3,d0	B-s2,d0	B-s2,d0	B-s2,d0	
Fire resistance	NPD	NPD	REI30*	REI30*	REI30*	
Airborne sound insulation, R _w (C;C _{tr})	NPD	NPD	NPD	27 (-2;-4)		
Shear modulus (core), MPa	2,60	NPD	3,0	2,85	NPD	
Shear strenght, MPa	0,01	NPD	0,07	0,01	NPD	
Compressive strenght (core), MPa	NPD	NPD	0,11	0,11	0,12	
Compression modulus of elasticity, MPa	NPD	NPD	2,3	1,8	3,0	
Tensile strenght, MPa	0,11	0,10	0,10	0,10	0,10	
Young's modulus, N/mm ²	2,50	2,60	2,90	2,90	2,90	
Reduced long therm shear strenght, MPa	NPD	NPD	NPD	NPD	NPD	
Creep coefficient=2000 h	NPD	NPD	NPD	NPD	NPD	
Creep coefficient=10000 h	NPD	NPD	NPD	NPD	NPD	

Thickness, mm	40	80	100	120	150	
Water permeability	NPD	NPD	NPD	NPD	NPD	EN 14509
Air permeability	NPD	NPD	NPD	NPD	NPD	
Water vapour permeability	Impermeable					
Dimension control	According to (D.2.1-D.2.11 EN 14509:2013)					
Durability	Pass – all colours					

*Detailed information in Fire test reports