

## DECLARATION OF PERFORMANCE

### Nr. BP-21-10/003/PIR/EN

1. Unique identification code of the product-type:

**Self-supporting double skin metal faced insulating panels with polyisocyanurate (PIR) core and roof joint. Types:**

PIR 40R5	1000RP
PIR 80R5	1000RP
PIR 100R5	1000RP
PIR 120R5	1000RP
PIR 150R5	1000RP

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

**See product label**

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

**Thermal insulation products for the construction of buildings. Suitable for external and internal walls.**

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

**UAB „Baltijos polistirenas“, S. Lozoraičio g. 15A, Garliava, Kauno raj., Lithuania, LT-53229, Tel.: +370 37 551 518. Production department: J. Basanavičiaus g. 122, Utena, Lithuania, LT-28214.**

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

**Not applicable**

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

**Reaction to fire and fire resistance characteristics are declared under System 3.**

**Other mechanical parameters are declared under System 4.**

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

**Factory process control (FPC) is performed according to European standard EN 14509:2014 “Self-supporting double skin metal faced insulating panels - Factory made products – Specifications” requirements.**

**Reaction to fire and fire resistance tests are performed by Fires s.r.o, Batizovce, Slovak Republic, notified body No. 1396.**

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  
Mantas Sakalauskas, Head of Quality  
Kaunas 2021 10 28



Annex No. 1. Declared performance:

Panels type	PIR core Roof joint					Harmonized technical specification (HTS)
Application	External and internal walls, ceilings, roofs					
Core density, kg/m <sup>3</sup>	40 ± 3					
External metal sheet	<b>Thickness:</b> 0.50; 0.60; 0.70 mm <b>Steel:</b> S280GD+Z225; S280GD+Z275; S280GD+Z190 <b>Coating:</b> PE; PVDF; PUR; Food safe <b>Profiling:</b> R5					EN 14509:2014
Internal metal sheet	<b>Thickness:</b> 0.47; 0.50; 0.60 mm <b>Steel:</b> S280GD+Z225; S280GD+Z275; S280GD+Z190 <b>Coating:</b> PE; PVDF; PUR; Food safe <b>Profiling:</b> Linear; flat					
Thermal conductivity $\lambda_D$ , W/(m·K)	≤ 0.022					
Panel thickness, mm	40/75	80/115	100/135	120/155	150/185	HTS
Thermal transmittance, $U_{d,s}$	0.55	0.27	0.22	0.18	0.15	
Reaction to fire	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	3.00	2.85	NPD	
Shear strength, MPa	0.01	NPD	0.07	0.01	NPD	
Compressive strength (core), MPa	NPD	NPD	0.11	0.11	0.12	
Compression modulus of elasticity, MPa	NPD	NPD	2.3	1.8	3.0	
Tensile strength, MPa	0.11	0.10	0.10	0.10	0.10	
Young's modulus, N/mm <sup>2</sup>	2.50	2.60	2.90	2.90	2.90	
Reduced long term shear strength, MPa	NPD	NPD	NPD	NPD	NPD	
Creep coefficient t=2000 h	NPD	NPD	NPD	NPD	NPD	
Creep coefficient t=10000 h	NPD	NPD	NPD	NPD	NPD	

EN 14509:2014

Panel thickness, mm	40/75	80/115	100/135	120/155	150/185	HTS
Water permeability	NPD	NPD	NPD	NPD	NPD	EN 14509:2014
Air permeability	NPD	NPD	NPD	NPD	NPD	
Water vapour permeability	Impermeable					
Dimension control	According to D.2.1-D.2.11 EN 14509:2013 standard					
Durability	Pass – all colours					

\* More detailed information in fire test reports.