

DECLARATION OF PERFORMANCE

No. LT-U-25-04/303-3/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. Intended use/es:

Thermal insulation products for the construction of buildings. Suitable for roofs.

3. Manufacturer:

UAB "BEWI Lithuania", S. Lozoraičio g. 15A, Garliava, LT-53229, Lithuania.

Production department: J. Basanavičiaus g. 122, Utena, LT-28214, Lithuania.

4. System/s of AVCP:

System 3 for reaction to fire and fire resistance.

System 4 for other mechanical parameters.

5a. Harmonized standard:

EN 14509:2013

Notified body/ies:

No. 1396 Fires s.r.o, Batizovce, Slovak Republic.

6. Declared performance:

Panels type	PIR core Roof joint				
Application	Roofs				
Core density, kg/m ³	40 ± 3				
External metal sheet	Thickness: 0.50; 0.60; 0.70 mm Steel: S280GD Coating: PES; PE; PUR/PA; Food safe Profiling: R5				
Internal metal sheet	Thickness: 0.47; 0.50; 0.60 mm Steel: S280GD Coating: PES; PE; PUR/PA; Food safe Profiling: Linear; flat				
Thermal conductivity λ_D , W/(m·K)	≤ 0.022				
Panel thickness, mm	40/75	80/115	100/135	120/155	150/185
Thermal transmittance $U_{d,s}$, W/m ² ·K	0.55	0.27	0.22	0.18	0.15
Reaction to fire	B-s3, d0		B-s2, d0		
Fire resistance	NPD		REI30*		
Airborne sound insulation $R_w(C;C_{tr})$	NPD			27 (-2; -4)	
Shear modulus (core), MPa	NPD		2.50	2.00	NPD
Shear strength, MPa	NPD		0.06	0.07	NPD
Compressive strength (core), MPa	NPD		0.11	0.11	0.12
Compression modulus of elasticity, MPa	NPD		1.7	1.5	1.5
Tensile strength, MPa	0.10	0.12	0.13	0.13	0.13
Young modulus, N/mm ²	1.3	2.0	2.0	2.1	2.1
Reduced long term shear strength, MPa	NPD				
Creep coefficient $t=2000$ h	NPD				
Creep coefficient $t=10000$ h	NPD				
Water permeability	NPD				
Air permeability	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.

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 identified above.

Signed for and on behalf of the manufacturer by
Sigita Bagdanovienė, Quality manager
Utena April 30th, 2025

