

## DECLARATION OF PERFORMANCE

Nr. BP-20-004/MW/EN

1. Unique identification code of the product-type:

**Self-supporting double skin metal faced insulating panels with mineral wool core material and normal, hidden or roof joint.**

MW50NF1000-1200WP	MW80R3/R51000RP
MW80NF1000-1200WP	MW100R3/R51000RP
MW100NF1000-1200WP	MW120R3/R51000RP
MW120NF1000-1200WP	MW150R3/R51000RP
MW150NF1000-1200WP	
MW180NF1000-1200WP	
MW200NF1000-1200WP	
MW230NF1000-1200WP	

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, roof.**

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:

**System 3**

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. Notified body number 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:

Audrius Česnavičius, technical director

Kaunas 2020-07-01



## Annex No. 1

### Declared performance

Panels Type	Normal joint MW core material								Standard
	Application	External and internal walls, ceilings							
Thickness, mm	50	80	100	120	150	180	200	230	
Core density, kg/m <sup>3</sup>	115 ± 10 %								
Exterior metal sheet thickness	0,50; 0,60; 0,70 mm S280GD+Z275; S280GD+Z190 PES 25 µM; PVC; PVDF 35 µM, Linear; mikro-profiling; flat								
Interior metal sheet thickness	0,40; 0,50; 0,60 mm S280GD+Z275; S280GD+Z190 PES 25 µM; PVC; PVDF 35 µM, Linear;flat								
Weight, kg/m <sup>2</sup>	14,4*	17,8*	20,0*	22,2*	25,5*	28,8*	31,0*	34,3*	
Thermal conductivity, λ	0,040 W/m·K								
Thermal transmittance, U <sub>d,s</sub>	0,80	0,50	0,40	0,33	0,27	0,22	0,20	0,17	
Fire reaction class	A2-s1,d0 Interior/ exterior								
Fire resistance	-	-	EI 60** (walls) / NPD - ceilings Interior/ exterior		EI 120** (walls) / NPD - ceilings Interior/ exterior				
Airborne sound insulation, R <sub>w</sub> (C;C <sub>tr</sub> )	NPD		32 (-1;-2)						
Shear strenght, MPa	0,040	0,040	0,040	0,030	0,030	0,030	0,030	0,030	
Shear modulus (core), MPa	2,9	2,9	2,5	2,5	2,2	2,2	2,2	2,2	
Compressive strenght (core), MPa	0,08	0,08	0,08	0,08	0,08	0,08	0,08	0,08	
Tensile strenght, MPa	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	
Water permeability	NPD								
Air permeability	NPD								
Water vapour permeability	Impermeable								
Dimension control	According to (D.2.1-D.2.11 EN 14509:2013)								

\*- Real panel weight depends from metal sheet thickness and panels width.

\*\* - Detailed information in Fire test reports

## Annex No. 2

### Declared performance

Panels Type	Roof joint MW core material				Standard
	Roofs				
Application	Roofs				EN 14509
Thickness, mm	80/115	100/135	120/155	150/185	
Core density, kg/m <sup>3</sup>	115 ± 10 %				
Exterior metal sheet thickness	0,50; 0,60; 0,70 mm S280GD+Z275; S280GD+Z190 PES 25 μM / PVC / PVDF 35 μM, R3/R5				
Interior metal sheet thickness	0,40; 0,50; 0,60 mm S280GD+Z275; S280GD+Z190 PES 25 μM; PVC ; PVDF 35 μM, Linear;flat				
Thermal conductivity, λ	0,040 W/m·K				
Thermal transmittance, U <sub>d,s</sub>	0,80	0,50	0,40	0,27	
Fire reaction class	A2-s1,d0 Interior/ exterior				
Airborne sound insulation, R <sub>w</sub> (C;C <sub>tr</sub> )	NPD	32 (-1;-2)			
Shear strenght, MPa	0,030	0,030	0,030	0,030	
Shear modulus (core), MPa	2,9	2,5	2,5	2,5	
Compressive strenght (core), MPa	0,08	0,08	0,08	0,08	
Tensile strenght, MPa	0,05	0,05	0,05	0,05	
Fire resistance		REI 90** Interior			
External fire exposure	Broof(t1)				
Water permeability	NPD				
Air permeability	NPD				
Water vapour permeability	Impermeable				
Dimension control	According to (D.2.1-D.2.11 EN 14509:2013)				

\*- Real panel weight depends from metal sheet thickness and panels width.

\*\* - Detailed information in Fire test reports