

1. Unique identification code of the product-type:

**IzoWall MWF-U**

2. Intended use/es:

**External walls and wall cladding; walls (including partitions)**

3. Manufacturer:

**IZOPANEL Sp. z o.o.**
**36 Budowlanych Street, Gdańsk 80-298, Poland**
**Tel.: +48 58 340 17 17, Fax: +48 58 340 17 18, E-mail: info@izopanel.pl**

5. System/s of AVCP:

**System 3**

6a. Harmonised standard:

**EN 14509:2013 „Self-supporting double skin metal faced insulating panels – Factory made products – Specification”**

Notified body/ies:

- **Instytut Techniki Budowlanej – Notified Body no. 1488**
- **FIRES s.r.o. - Notified Body no. 1396**

7. Declared performance/s:

Essential Characteristics	Performance Characteristics														
<b>Mechanical Resistance</b>															
<b>panel thickness [mm]</b>	60-140							150-250							
Shear strength; $f_{cv}$ [MPa]	0,060							0,050							
Shear Modulus; $G_c$ [MPa]	2,5							2,3							
Shear strength after long-term loading; $f_{cvt}$ [MPa]	0,024							0,020							
Compressive strength; $f_{cc}$ [MPa]	0,083							0,078							
Cross panel tensile strength; $f_{ct}$ [MPa]	0,0853							0,0856							
Wrinkling stress $\delta_w$ [MPa] Side (external/internal)	84/81							80/77							
Wrinkling stress over a central support $\delta_w$ [MPa] Side (external/internal)	61/80							53/59							
Bending moment capacity $M_u$ [kNm/m] Side (external/internal)	Panel thickness [mm]	60	75	80	100	120	140	150	160	175	200	230	250		
	External side	2,30	2,88	3,07	3,84	4,62	5,39	5,50	5,87	6,42	7,34	8,45	9,18		
	Internal side	2,22	2,78	2,96	3,71	4,45	5,20	5,30	5,65	6,18	7,07	8,13	8,84		
Bending moment capacity over a central support $M_u$ [kNm/m] Side (external/internal)	Panel thickness [mm]	60	75	80	100	120	140	150	160	175	200	230	250		
	External side	1,67	2,09	2,23	2,79	3,35	3,91	3,64	3,89	4,25	4,86	5,60	6,08		
	Internal side	2,19	2,74	2,93	3,66	4,40	5,13	4,06	4,33	4,74	5,41	6,23	6,77		
<b>Creep coefficient</b>															
$\phi_{t=2000h}$	NPD														
$\phi_{t=100000h}$	NPD														
<b>Thermal transmittance; U</b> [W/m <sup>2</sup> K]	Panel thickness [mm]	60	75	80	100	120	140	150	160	175	180	200	230	240	250
	Thermal transmittance	0,61	0,49	0,46	0,37	0,31	0,27	0,25	0,24	0,22	0,21	0,19	0,17	0,16	0,16

Essential Characteristics	Performance Characteristics		
<b>Thermal conductivity</b> [ $\lambda_{\text{declared}}$ ] [W/mK]		$\lambda$ [W/mK]	$\rho$ [kg/m <sup>3</sup> ]
	Metal Face	62	7800
	Mineral wool – L	0,038	80
	Mineral wool - C	0,040	110
<b>Reaction to fire</b>	A2-s1,d0		
<b>Fire resistance</b>	Panel thickness [mm]	60-80	100-250
	Fire resistance	NPD	EI 60
<b>Flexural tensile strength (ceilings)</b>	NPD		
<b>Water permeability</b>	Class A		
<b>Air permeability</b>	Thrust		Suction
	n = 0,8388 C = 0,0116		n = 1,1072 C = 0,0074
<b>Water vapour permeability</b>	Impermeable		
<b>Airborne sound insulation; <math>R_w(C,C_{tr})</math> [dB]</b>	27 (-1;-3)		
<b>Sound absorption <math>\alpha_w</math></b>	NPD		
<b>Durability</b>	Pass – all colours		
<b>Dangerous substances</b>	NPD		

Website where the copy of the Declaration of Performance is made available:

[www.izopanel.pl](http://www.izopanel.pl)

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:

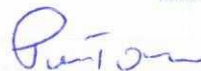
**Karol Pawłowski**  
(name and surname)

**Kierownik działu  
Badań Rozwoju i Kontroli Jakości**

**Karol Pawłowski**

**Gdańsk, 18.11.2024**

(place and date)



(signature)