DECLARATION OF PERFORMANCE

No. 08.09/W PIR-F

1. Unique identification code of the product-type:

IzoWall PIR-F

2. Intended use/es:

External walls and wall cladding; walls (including partitions) and ceilings within the building envelope

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 1

6a. Harmonised standard:

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

Notified body/ies:

- **Certbud sp. z o.o – Notified Body no. 2310**
- **Instytut Techniki Budowlanej – Notified Body no. 1488**
- **FIRES s.r.o. - Notified Body no. 1396**
- **Polskie Centrum Badań i Certyfikacji S.A. – Notified Body no. 1434**

7. Declared performance/s:

Essential Characteristics	**Performance Characteristics**											
Mechanical Resistance												
Shear strength; f_{cv}[MPa]	≥0,17											
Shear Modulus; G_C [MPa]	≥1,5											
Shear strength after long-term loading; f_{cvt} [MPa]	≥0,065											
Compressive strength; f_{cc} [MPa]	≥0,1											
Cross panel tensile strength; f_{ct} [MPa]	≥0,05											
Bending moment capacity M_u [kNm/m] Side (external/internal)	***Panel thickness*** [mm]	***40***	***60***	***80***	***100***	***110***	***120***	***140***	***160***	***180***	***200***	***220***
	External side	1,82	2,74	3,66	4,58	5,04	5,50	6,34	7,25	8,16	9,07	9,98
	Internal side	1,31	1,97	2,64	3,30	3,63	3,96	3,47	3,97	4,47	4,97	5,47
Wrinkling stress δ_w [MPa] Side (external/internal	Panel thickness [mm]	40-120						140-220				
	Wrinkling stress	102/92						101/69				
Bending moment capacity over a central support M_u [kNm/m] Side (external/internal)	Panel thickness [mm]	40	60	80	100	110	120	140	160	180	200	220
	External side	2,04	3,07	4,10	5,13	5,65	6,17	6,26	7,16	8,06	8,96	9,85
	Internal side	1,45	2,18	2,91	3,65	4,01	4,38	3,56	4,07	4,58	5,09	5,60
Wrinkling stress over a central support δ_w [MPa] Side (external/internal)	Panel thickness [mm]	40-120						140-220				
	Wrinkling stress over a central support	114/101						99/70				
Creep coefficient												
$j_{t=2000h}$	1,70											
$j_{t=100000h}$	2,65											
Thermal transmittance; U [W/m^{2}K]	Panel thickness [mm]	40	60	80	100	110	120	140	160	180	200	220
	Thermal transmittance	0,55	0,35	0,26	0,21	0,19	0,18	0,15	0,13	0,12	0,11	0,1
Thermal conductivity [$l_{declared}$] [W/mK]	0,021											
Reaction to fire	B-s1,d0											
Fire resistance	Panel thickness [mm]	40-60		80		100-220				100-220 (ceilings only)		
	Fire resistance class	NPD		EI15		EI 30				EI 15		

Essential Characteristics	Performance Characteristics	
Flexural tensile strength (ceilings)	NPD	
Water permeability	Class A	
Air permeability	Thrust	Suction
	n = 0,8388	n = 1,1072
	C = 0,0116	C = 0,0074
Water vapour permeability	Pass	
Airborne sound insulation; $R_w(C,C_{tr})$ [dB]	25 (-2;-5)	
Sound absorption α_w	0,15	
Durability	Pass	
Dangerous substances	NPD	

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

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)

PODPIS ZAUFANY
KAROL
PAWŁOWSKI
07.08.2026 11:23:41 GMT+0200
Dokument podpisany elektronicznie podpisem zaufanym

Gdańsk, 21.07.2026

(place and date)

(signature)