DECLARATION OF PERFORMANCE

No 07.05/W-PIR-N

1. Unique identification code of the product –type:

IzoWall PIR-N

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. Specifications"

Notified body/ies:

- **Certbud sp. z o.o. – Notified Body No. 2310**
- **Building Research Institute – 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				
Współczynnik pełzania												
$\varphi_{t=2000h}$	1,70											
$\varphi_{t=100000h}$	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	0,57	0,37	0,27	0,22	0,20	0,18	0,16	0,14	0,12	0,11	0,10
Thermal conductivity [$\lambda_{declared}$] [W/mK]	≤0,022											
Reaction to fire	B-s2, d0											
Fire resistance	***Panel thickness*** [mm]	***40-120***						***80-220***				
	Fire resistance class	NPD						EI 15				
Flexural tensile strength (ceilings)	NPD											
Water permeability	Class A											

Essential Characteristics	Performance Characteristics	
Air permeability	Thrust	Suction
	n = 0,8388	n = 1,1072
	C = 0,0116	C = 0,0074
Water vapour permeability	Vapour-proof	
Airborne sound insulation; $R_w(C,C_{tr})$ [dB]	25(-2,-5)	
Sound absorption α_w	0,15	
Durability	Pass – all colours	
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

(full name)

PODPIS ZAUFANY
KAROL
PAWŁOWSKI
07.08.2026 11:30:09 GMT+0200
Dokument podpisany elektronicznie
podpisem zaufanym

Gdańsk, dnia 21.07.2026

(place and date)

(signature)