

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 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**
- **Polskie Centrum Badań i Certyfikacji S.A. – Notified Body no. 1434**
- **Certbud sp. z o.o – Notified Body no. 2310**

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													
$\varphi_{t=2000h}$	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	0,55	0,35	0,26	0,21	0,20	0,18	0,15	0,13	0,12	0,11	0,1	

Essential Characteristics	Performance Characteristics				
Thermal conductivity [$\lambda_{\text{declared}}$] [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
Flexural tensile strength (ceilings)	NPD				
Water permeability	Class A				
Air permeability	Thrust			Suction	
	n = 0,8388 c = 0,0116			n = 1,1072 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)

**Kierownik działu
Badań Rozwoju i Kontroli Jakości**

Gdańsk, 19.11.2024

(place and date)

 **Karol Pawłowski**

(signature)