DECLARATION OF PERFORMANCE

No. 20.2 /W PIR-S

1. Unique identification code of the product-type:

IzoWall PIR-S

2. Intended use or uses:

External and internal wall elements.

3. Manufacturer:

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

5. System(s) for assessment and verification of constancy of performance:

System 1

6a. Harmonised standard:

EN 14509:2013 "Self-supporting double skin metal faced insulating panels. Factory made products. Specifications"

Notified body or bodies:

- **Certbud sp. z o.o. – Notified Body No. 2310**
- **Building Research Institute – Notified Body No. 1488**
- **Polish Centre For Testing And Certification S.A.– Notified Body No. 1434**

7. Declared performance:

General characteristics	**Performance**						
Mechanical Resistance							
Tensile strength; f_{Ct} [kPa]	40						
***Panel thickness** [mm]*	***40***	***60***	***80***	***100***	***120***	***140***	***160***
Compressive strength; f_{Cc} [kPa]	60	60	60	60	77	77	77
Shear strength; f_{Cv}[kPa]	94	94	94	94	84	84	84
Shear modulus; G_C [MPa]	2,99	2,56	2,14	1,71	2,39	1,98	1,56
Bending moment [kNm/m]							
***Panel thickness** [mm]*	***40***	***60***	***80***	***100***	***120***	***140***	***160***
Int. side – span – ambient temp.	1,69	2,35	2,92	3,38	4,05	4,38	4,65
Int. side – span – increased temp.	1,53	2,20	2,81	3,35	3,89	4,30	4,65
Int. side – support – ambient temp.	1,72	2,57	3,41	4,24	3,62	3,87	4,02
Int. side – support – increased temp.	1,55	2,39	3,26	4,18	3,45	3,75	4,02
Ext. side – span – ambient temp.	2,88	4,40	5,96	7,60	9,26	10,86	12,47
Ext. side – span – increased temp.	2,61	4,12	5,76	7,53	8,87	10,61	12,47
Ext. side – support – ambient temp.	2,65	3,56	4,19	4,56	5,60	6,18	6,72
Ext. side – support – increased temp.	2,40	3,31	4,01	4,52	5,34	6,03	6,72
Critical stress [MPa]							
***Panel thickness** [mm]*	***40***	***60***	***80***	***100***	***120***	***140***	***160***
Int. side – span – ambient temp.	152	141	131	121	121	112	104
Int. side – span – increased temp.	138	132	126	120	116	110	104
Int. side – support – ambient temp.	155	154	153	152	108	99	90
Int. side – support – increased temp.	140	143	146	150	103	96	90
Ext. side – span – ambient temp.	202	205	208	212	215	216	217
Ext. side – span – increased temp.	183	192	201	210	206	211	217
Ext. side – support – ambient temp.	186	166	146	127	130	123	117
Ext. side – support – increased temp.	168	154	140	126	124	120	117
Creep coefficient							
$\varphi_{t=2000h}$	1,24						
$\varphi_{t=100000h}$	1,55						

***Panel thickness** [mm]*	***40***	***60***	***80***	***100***	***120***	***140***	***160***
Thermal transmittance; U [W/m^{2}K]	0,57	0,37	0,27	0,22	0,18	0,16	0,14
Thermal conductivity [$\lambda_{declared}$] [W/mK]	0,022						
Reaction to fire *(galvanized sheet on the inner side of the plate)*	B-s1,d0						
Resistance to fire	NPD						
Flexural tensile strength (ceilings)	NPD						
Water permeability	NPD						
Air permeability	NPD						
Water vapour permeability	NPD						
Airborne sound insulation; $R_w(C,C_{tr})$ [dB]	NPD						
Sound absorption α_w	NPD						
Dimensional tolerance	Pass						
Durability	Pass						
Dangerous substances	NPD						

Web address where this Declaration of Performance is made available:

www.izopanel.pl

Performance of the above product is in compliance with Declared Performance Package. This Declaration of Performance is issued, in accordance with Regulation (UE) no. 305/2011, at the sole responsibility of the manufacturer as indicated above.

On behalf of the manufacturer signed by:

Karol Pawłowski

(full name)

PODPIS ZAUFANY
KAROL
PAWŁOWSKI
07.08.2026 11:33:37 GMT+0200
Dokument podpisany elektronicznie
podpisem zaufanym

Gdańsk, 21.07.2026

(place and date)

(signature)