

DECLARATION OF PERFORMANCE

No. 1.2/W-MWF/2016

ARCUSLINK
 TŁUMACZENIA SPECJALISTYCZNE s.c.
 93-571 Łódź, ul. Płasia 5/36
 NIP 7272797565

1. Unique identification code of the product-type:

IzoWall MWF

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:

3

6a. Harmonised standard:

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

Notified body or bodies:

- **Building Research Institute – Notified Body No. 1488**
- **FIRES s.r.o. - Notified Body No. 1396**

7. Declared performance:

General characteristics	Performance														
Tensile strength; f_{ct} [MPa]	0.07														
Compressive strength; f_{cc} [MPa]	0.07														
Shear strength; f_{cv} [MPa]															
40-140	0.055														
150-250	0.05														
Creep coefficient; $\varphi_{t=2000h}$	1.19														
Creep coefficient; $\varphi_{t=100000h}$	1.95														
Long-term shear strength; f_{cvt} [MPa]															
40-140	0.0275														
150-250	0.025														
Shear modulus; G_c [MPa]															
40-140	3.0														
150-250	2.5														
Critical stress [MPa]:															
Panel thickness [mm]	40-140							150-250							
Ext. side – span – ambient temp.	95							75							
Ext. side – span – increased temp.	89							70							
Ext. side – support – ambient temp.	80							60							
Ext. side – support – increased temp.	75							56							
Int. side – span – ambient temp.	80							61							
Int. side – support – ambient temp.	80							61							
Bending moment [MPa]:															
Panel thickness [mm]	40	50	60	75	80	100	120	140	150	160	175	180	200	230	250
<i>moment in span, ext. cladding – normal temp.</i>	1.73	2.17	2.60	3.26	3.48	4.35	5.22	6.10	5.16	5.50	6.02	6.19	6.88	7.92	8.61
<i>moment in span, ext. cladding – increased temp.</i>	1.62	2.03	2.44	3.05	3.26	4.08	4.89	5.71	4.82	5.14	5.62	5.78	6.43	7.39	8.04
<i>moment in span, int. cladding – normal temp.</i>	1.14	1.43	1.72	2.15	2.29	2.87	3.44	4.02	3.28	3.50	3.83	3.94	4.38	5.04	5.48
<i>moment in span, int. cladding – increased temp.</i>	1.07	1.34	1.61	2.01	2.15	2.69	3.23	3.77	3.07	3.27	3.58	3.68	4.09	4.71	5.12
<i>moment in support, ext. cladding – normal temp.</i>	1.46	1.82	2.19	2.74	2.93	3.66	4.40	5.14	4.13	4.40	4.82	4.96	5.51	6.34	6.89

General characteristics	Performance														
<i>moment in support, ext. cladding – increased temp.</i>	1.36	1.71	2.05	2.57	2.74	3.43	4.12	4.81	3.85	4.11	4.50	4.63	5.14	5.91	5.43
<i>moment in support, int. cladding – normal temp.</i>	1.14	1.43	1.72	2.15	2.29	2.87	3.44	4.02	3.28	3.50	3.83	3.94	4.38	5.04	5.48
<i>moment in support, int. cladding – increased temp.</i>	1.07	1.34	1.61	2.01	2.15	2.69	3.23	3.77	3.07	3.27	3.58	3.68	4.09	4.71	5.12
Panel thickness [mm]	40	50	60	75	80	100	120	140	150	160	175	180	200	230	250
Thermal conductivity; U	0.96	0.77	0.64	0.51	0.48	0.39	0.33	0.28	0.26	0.25	0.23	0.22	0.2	0.17	0.16
Thermal conductivity coefficient [$\lambda_{\text{declared}}$]	0.04														
Reaction to fire [panel thickness in mm]:															
40-250	A2-s1,d0														
Resistance to fire [panel thickness in mm]:															
40 - 75	NPD														
80	EI 45														
100-140	EI 60														
150-250	EI 120														
Bending tensile strength (ceilings)	NPD														
Water permeability	A														
Air permeability	<i>thrust</i>							<i>suction</i>							
	n=0.8388 c=0.0116							n=1.1072 c=0.0074							
Steam permeability	Conforms														
Specific acoustic resistance; $R_w(C, C_{tr})$ [dB]	31(-1,-3)														
Acoustic absorption; α_w	0.15														
Durability	Conforms														
Hazardous 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 (EU) no. 305/2011, at the sole responsibility of the manufacturer as indicated above.

On behalf of the manufacturer signed by:

Adam Muzyczuk

(full name)

Gdańsk, 12.02.2019

(place and date)

(signature)

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