IZO. PANEL

DECLARATION OF PERFORMANCE

No. 29.01/MWF-U

1. Unique identification code of the product-type:

IzoWall MWF-U

2. Intended use/es:

External walls and wall cladding; walls (including partitions)

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**

7. Declared performance/s:

Essential Characteristics	Performance Characteristics												
Mechanical Resistance													
panel thickness [mm]	60-140					150-250							
Shear strength; f_{cv}[MPa]	0,060					0,050							
Shear Modulus; G_c [MPa]	2,5					2,3							
Shear strength after long-term loading; f_{cvt} [MPa]	0,024					0,020							
Compressive strength; f_{cc} [MPa]	0,083					0,078							
Cross panel tensile strength; f_{ct} [MPa]	0,0853					0,0856							
Wrinkling stress δ_w [MPa] Side (external/internal)	84/81					80/77							
Wrinkling stress over a central support δ_w [MPa] Side (external/internal)	61/80					53/59							
Bending moment capacity M_u [kNm/m] Side (external/internal)	Panel thickness [mm]	60	75	80	100	120	140	150	160	175	200	230	250
	External side	2,30	2,88	3,07	3,84	4,62	5,39	5,50	5,87	6,42	7,34	8,45	9,18
	Internal side	2,22	2,78	2,96	3,71	4,45	5,20	5,30	5,65	6,18	7,07	8,13	8,84
Bending moment capacity over a central support M_u [kNm/m] Side (external/internal)	Panel thickness [mm]	60	75	80	100	120	140	150	160	175	200	230	250
	External side	1,67	2,09	2,23	2,79	3,35	3,91	3,64	3,89	4,25	4,86	5,60	6,08
	Internal side	2,19	2,74	2,93	3,66	4,40	5,13	4,06	4,33	4,74	5,41	6,23	6,77
Creep coefficient													
$\varphi_{t=2000h}$	NPD												
$\varphi_{t=100000h}$	NPD												
Thermal transmittance; U [W/m²K]	Panel thickness [mm]	60	75	80	100	120	140	150	160	175	180	200	230	240	250
	Thermal transmittance	0,61	0,49	0,46	0,37	0,31	0,27	0,25	0,24	0,22	0,21	0,19	0,17	0,16	0,16

Essential Characteristics	Performance Characteristics			
Thermal conductivity [$\lambda_{declared}$] [W/mK]			λ [W/mK]	ρ [kg/m³]
	Metal Face		62	7800
	Mineral wool – L		0,038	80
	Mineral wool - C		0,040	110
Reaction to fire	A2-s1,d0			
Fire resistance	Panel thickness [mm]	60-80	100-250	
	Fire resistance	NPD	EI 60	
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	Impermeable			
Airborne sound insulation; $R_w(C,C_{tr})$ [dB]	27 (-1;-3)			
Sound absorption α_w	NPD			
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
(name and surname)

Kierownik działu
Badań Rozwoju i Kontroli Jakości

Karol Pawłowski

Gdańsk, 18.11.2024
(place and date)

(signature)