



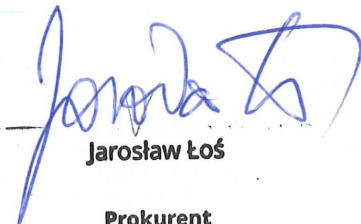
# DECLARATION OF PERFORMANCE OF THE „ARPANEL” SANDWICH PANELS

NO. DWU/S MiWo/02/2022/EN

1	Name and address of manufacturer	Adamietz Sp. z o.o. 47 – 100 Strzelce Opolskie ul. Braci Prankel 1 Poland
2	Unique identification code of the product-type	Sandwich panels ARPANEL S 80 MIWO, ARPANEL S 100 MIWO, ARPANEL S 120 MIWO, ARPANEL S 150 MIWO, ARPANEL S 160 MIWO, ARPANEL S 180 MIWO, ARPANEL S 200 MIWO, ARPANEL S 220 MIWO, ARPANEL S 240 MIWO, with the Rockwool mineral wool core.
3	Intended use, in accordance with the applicable harmonized technical specification	Metal faced insulating panel for use in buildings as external walls, partitions and ceilings.
4	System of assessment and verification of constancy of performance:	3
5	Harmonized standard	PN-EN 14509:2013 - 12
6	Notified body	– INSTYTUT TECHNIKI BUDOWLANEJ Warsaw - No. 1488 – IMA Materialforschung und Anwendungstechnik GmbH Dresden – No. 2456 – Fires s.r.o. Batizovce – No. 1396
7	Declared performances	Annex no. 1

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:



**Jarosław Łoś**  
**Prokurent**

Strzelce Opolskie, 08.11.2022

**Annex 1 to the Declaration of performance NO. DWU/S MIWO/02/2022/EN**

Panel thickness [mm]	80	100	120	150	160	180	200	220	242	
Dimensional tolerances	± 2 mm			± 2 %						
Mass [kg/m <sup>2</sup> ]	17,5	19,6	21,8	25,0	26,1	28,3	30,4	32,6	35	
Density of core material (MIWO) [kg/m <sup>3</sup> ]	105±10%									
External/Internal Facing - Steel grade	S280GD+Z; S250GD+Z; S220GD+Z									
Coating type	SP25, Food Safe (PVC), PRISMA, HPS, HDX, INOX, PVDF, PUR/PA									
Thickness of facing material [mm]	External: 0,5 - 0,7					Internal: 0,5 - 0,7				
Facing profile	External: G, L, M8, M14					Internal: G, L, M20				
Cross panel tensile strength $f_{ct}$ [kPa]	120	120	120	120	120	120	120	120	120	
Compressive strength (core) $f_{cc}$ [kPa]	70	70	70	70	67	61	55	50	50	
Shear strength (core) $f_{cv}$ [kPa]	45	45	45	45	45	45	45	45	45	
Shear modulus (core) $G_c$ [MPa]	4,7	4,7	4,7	4,7	4,7	4,7	4,7	4,7	4,7	
Creep coefficient	t= 2.000 h			0,5						
	t= 100.000 h			1,0						
Wrinkling stress [MPa]	in span	external face	103	95	95	95	95	95	95	95
		external face >80°C	91	92	92	92	92	92	92	92
		internal face	103	95	95	95	95	95	95	95
	At central support	external face	72	67	65	62	62	62	62	62
		external face >80°C	63	64	63	60	60	60	60	60
		internal face	93	85	85	85	85	85	85	85
Thermal conductivity $\lambda_D$ [W/m*K]	0,040									
Thermal transmittance $U_{d,s}$ [W/m <sup>2</sup> *K]	0,48	0,39	0,32	0,26	0,24	0,22	0,20	0,18	0,16	
Reaction to fire	A2-s1,d0									
Fire resistance	VERTICAL	EI60	EI60	EI120	EI240	EI240	EI240	EI240	EI240	EI240
		E60	E120	E120	E240	E240	E240	E240	E240	E240
	HORIZONTAL	EI60	EI60	EI120	EI180	EI180	EI180	EI180	EI180	EI180
		E60	E60	E120	E240	E240	E240	E240	E240	E240
CEILING	NPD	EI30 (a←b)	EI 120 (a←b)							
Water permeability [class]	A									
Air permeability	Positive pressure	C = 0,2630; n = 0,5313								
	Negative pressure	C = 0,0227; n = 0,4764								
Airborne sound insulation $R_w$ (C, Ctr) [dB]	30 (-1;-2)	32 (-1;-3)		32 (-2;-4)		32 (-3;-5)	31 (-1;-3)		NPD	
Sound absorption $\alpha_w$	0,15									NPD