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DECLARATION OF PERFORMANCE OF THE „ARPANEL" SANDWICH PANELS

NO. DWU/SU MiWo/01/2025/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 SU 100 MIWO, ARPANEL SU 120 MIWO, ARPANEL SU 150 MIWO, ARPANEL SU 200 MIWO, ARPANEL SU 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, 06.03.2025

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Annex 1 to the Declaration of performance **NO. DWU/SU MiWo/01/2025/EN**

Panel thickness [mm]			100	120	150	200	242
Dimensional tolerances			± 2 %				
Mass [kg/m²]			20,5	22,6	25,9	31,3	35,8
Density of core material (MIWO) [kg/m³]			105±10%				
External/Internal Facing - Steel grade			S280GD+Z; S250GD+Z; S220GD+Z				
Coating type			SP25, Food Safe (PVC), PRISMA, HDX, 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, M30			Internal: G, L, M20	
Cross panel tensile strength f_{ct} [kPa]			120	120	120	120	120
Compressive strength (core) f_{cc} [kPa]			70	70	70	55	50
Shear strength (core) f_{cv} [kPa]			45	45	45	45	45
Shear modulus (core) G_c [MPa]			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	95	95	95	95	95
		external face >80°C	92	92	92	92	92
		internal face	95	95	95	95	95
	At central support	external face	67	65	62	62	62
		external face >80°C	64	63	60	60	60
		internal face	85	85	85	85	85
Thermal conductivity λ_D [W/m*K]			0,040				
Thermal transmittance U_{dS} [W/m²*K]			0,39	0,32	0,26	0,20	0,16
Reaction to fire			A2-s1,d0				
Fire resistance	VERTICAL		EI30	EI45	EI60	EI90	EI120
			E30	E45	E60	E90	E120
	HORIZONTAL		NPD				
			NPD				
Water permeability [class]			A				
Air permeability	Positive pressure		C = 0,149; n = 0,672				
	Negative pressure		C = 0,164; n = 0,666				
Airborne sound insulation Rw (C, Ctr) [dB]			31 (-2;-3)	30 (-2;-4)	31 (-2;-3)	30 (-2;-4)	
Sound absorption α_w			0,35				

ARPANEL - Sandwich panels
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District Court Of Law In Opole, 7Th Commercial Division, National Court Register No.: 0000100273
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