

DECLARATION OF PERFORMANCE OF THE „ARPANEL” SANDWICH PANELS

NO. DWU/D PIR/01/2026/EN

1	Name and address of manufacturer	Adamietz S.A. 47 – 100 Strzelce Opolskie ul. Braci Prankel 1 Poland
2	Unique identification code of the product-type	ARPANEL D 60/100, PIR ARPANEL D 80/120 PIR, ARPANEL D 100/140 PIR, ARPANEL D 120/160 PIR, ARPANEL D 160/200 PIR SANDWICH PANELS with polyisocyanurate foam core.
3	Intended use, in accordance with the applicable harmonized technical specification	The ARPANEL D sandwich panels are intended for roof coverings in buildings with a frame construction
4	System of assessment and verification of constancy of performance:	System 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 performance	Annex 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

 **PROKURENT**
Marcin Sobisiak

Strzelce Opolskie, 17-02-2026

ARPANEL – PŁYTY WARSTWOWE

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SĄD REJONOWY W OPOLU VIII
WYDZIAŁ GOSPODARCZY
KRS: 0001210114

Annex 1 to the Declaration of performance NO. DWU/D PIR/01/2026/EN

Panel thickness [mm]		60/100	80/120	100/140	120/160	160/200	
Dimensional tolerances		± 2 mm		± 2 %			
Mass [kg/m ²]		10,6	11,3	12,1	12,9	14,4	
Density of core material (PIR foam) [kg/m ³]		40±3					
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: 0,4 - 0,7		
Facing profile		External: T			Internal: G, L, M20		
Cross panel tensile strength f_{ct} [kPa]		100	100	100	100	95	
Compressive strength (core) f_{cc} [kPa]		100	100	100	100	100	
Shear strength (core) f_{cv} [kPa]		120	120	120	120	105	
Shear modulus (core) G_c [MPa]		3,1	3,1	3,1	3,1	2,7	
Creep coefficient		t: 2.000 h		3,0			
		t: 100.000 h		5,0			
Wrinkling stress [MPa]	in span	external face	T:258	T:250	T:239	T:227	T:208
		external face >80°C	T:258	T:250	T:239	T:227	T:208
		internal face	L:134 G:63 M20:184	L:134 G:63 M20:184	L:134 G:63 M20:184	L:134 G:63 M20:184	L:124 G:60 M20:169
	At central support	external face	T:258	T:250	T:239	T:227	T:208
		external face >80°C	T:258	T:250	T:239	T:227	T:208
		internal face	L:119 G:54 M20:150	L:118 G:54 M20:145	L:116 G:54 M20:139	L:114 G:54 M20:133	L:102 G:50 M20:113
	Correction factors for the thickness of the facing		t: 0,6 mm for L: 0,84 t: 0,7 mm for L: 0,75				
	Thermal conductivity λ_D [W/m*K]		0,022				
Thermal transmittance $U_{d,s}$ [W/m ² *K]		0,33	0,26	0,21	0,18	0,13	
Reaction to fire		B-s2,d0					
Fire resistance		REI 15 / RE 20			REI 30 / RE 30		
Fire-spread		Broof (t _i)			Broof (t _i), (t _a)		
Water permeability [class]		A					
Air permeability	Positive pressure	C = 1,2824; n = 0,1683					
	Negative pressure	C = 0,3920; n = 0,2373					
Airborne sound insulation R_w (C, C _{tr}) [dB]		25 (-1;-4)				26 (-2;-4)	
Sound absorption α_w		0,15					

*More details about field of application of fire resistance results are shown in Technical Documentation.

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