ARPANEL

CE

DECALARTION OF PERFORMANCE OF THE „ARPANEL" SANDWICH PANEL

NO. DWU/S/PIR/1/2026/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 S 60 PIR, ARPANEL S 80 PIR, ARPANEL S 100 PIR SANDWICH PANELS with a polyisocyanurate foam 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:	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, 24-03-2026

ADAMIETZ S.A.
ARPANEL – PŁYTY WARSTWOWE
ul. Braci Prankel 1 47-100 Strzelce Opolskie
tel. +48 77 463 00 65 fax +48 77 463 92 00
NIP 756-18-36-633 REGON 532242263

Adamietz S.A.
ul. Braci Prankel 1
47-100 Strzelce Opolskie

biuro@arpanel.pl
+48 77 463 00 55

NIP: 756-18-36-633
REGON: 532242263
Kapitał zakładowy:
4.660.000,00 PLN

SĄD REJONOWY W OPOLU VIII
WYDZIAŁ GOSPODARCZY
KRS: 0001210114

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Annex 1 to the Declaration of performance **NO. DWU/S PIR/1/2026/EN**

Panel thickness [mm]			60	80	100
Dimensional tolerances			± 2 mm		
Mass [kg/m²]			10,4	11,2	11,9
Density of core material (PIR foam) [kg/m³]			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: G, L , M8, M14, M30	Internal: G, L, M20	
Cross panel tensile strength f_{ct} [kPa]			100	100	100
Compressive strength (core) f_{cc} [kPa]			100	100	100
Shear strength (core) f_{cv} [kPa]			120	120	120
Shear modulus (core) G_c [MPa]			3,1	3,1	3,1
Creep coefficient		t= 2.000 h	3.0		
		t= 100.000 h	5.0		
Wrinkling stress [MPa]	in span	external face	M8/M14:160	M8/M14:172	M8/M14:183
			M30: 157	M30: 166	M30: 175
			L:134 G:63	L:134 G:63	L:134 G:63
		external face >80°C	M8/M14:130	M8/M14:139	M8/M14:149
			M30: 127,3	M30: 134,5	M30: 141,8
			L:109 G:51	L:109 G:51	L:109 G:51
		internal face	L:134 G:63	L:134 G:63	L:134 G:63
			M20:184	M20:184	M20:184
	At central support	external face	M8/M14:123	M8/M14:128	M8/M14:132
			M30: 120,8	M30: 123,5	M30: 126,3
			L:98 G:44	L:96 G:44	L:93 G:44
		external face >80°C	M8/M14:100	M8/M14:104	M8/M14:107
			M30: 98	M30: 100	M30: 102
			L:79 G:36	L:77 G:36	L:75 G:36
		internal face	L:119 G:54	L:118 G:54	L:116 G:54
			M20:150	M20:145	M20:139
	Correction factors for the thickness of the facing		t=0,6 mm for M8/14: 0,85 for M20/M30: 0,83 for L: 0,84 t=0,7 mm for M8/14:0,76 for M20/M30:0,74 for L: 0,75		
Thermal conductivity λ_D [W/m*K]			0,022		
Thermal transmittance $U_{d,S}$ [W/m²*K]			0,37	0,27	0,22
Reaction to fire			B-s1,d0		
Fire resistance	Vertical		E 15 / EI 15		E 30 / EI 30 / EW 30
	Horizontal		NPD	E 20 / EI 20 / EW20	E 30 / EI 30 / EW 30
	Ceiling		EI 15 (a←b)		EI 30 (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 Rw (C, Ctr) [dB]			25 (-2;-4)		
Sound absorption α_w			0,15		

Additional performance not included in the list of relevant clauses in accordance with PN-EN 14509:

Parameter	performance properties
Fire-spread	NRO

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