



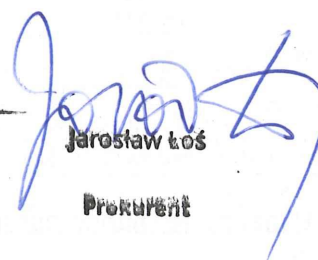
DECLARATION OF PERFORMANCE OF THE „ARPANEL” SANDWICH PANEL

NO. DWU/SU/PIR/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	ARPANEL SU 60 PIR, ARPANEL SU 80 PIR, ARPANEL SU 100 PIR, ARPANEL SU 120 PIR SANDWICH PANELS with 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 and partitions
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:


Jarosław Łoś
Prokurent

Strzelce Opolskie, 28-11-2022

**Annex 1 to the Declaration of performance NO. DWU/SU PIR/02/2022/EN**

Panel thickness [mm]		60	80	100	120	
Dimensional tolerances		± 2 mm		± 2 %		
Mass [kg/m ²]		10,8	11,6	12,4	13,2	
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, HPS, 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		Internal: G, L		
Cross panel tensile strength f_{ct} [kPa]		100	100	100	100	
Compressive strength (core) f_{cc} [kPa]		100	100	100	100	
Shear strength (core) f_{cv} [kPa]		120	120	120	120	
Shear modulus (core) G_c [MPa]		3,1	3,1	3,1	3,1	
Wrinkling stress [MPa]	in span	external face	M8/M14:160 L:134 G:63	M8/M14:172 L:134 G:63	M8/M14:183 L:134 G:63	M8/M14:195 L:134 G:63
		external face >80°C	M8/M14:130 L:109 G:51	M8/M14:139 L:109 G:51	M8/M14:148 L:109 G:51	M8/M14:158 L:109 G:51
		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
	At central support	external face	M8/M14:123 L:98 G:44	M8/M14:128 L:96 G:44	M8/M14:132 L:93 G:44	M8/M14:137 L:90 G:44
		external face >80°C	M8/M14:100 L:79 G:36	M8/M14:104 L:77 G:36	M8/M14:107 L:75 G:36	M8/M14:111 L:73 G:36
		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
	Correction factors for the thickness of the facing		t=0,6 mm for M8/14; 0,85 for M20; 0,83 for L; 0,84 t=0,7 mm for M8/14;0,76 for M20;0,74 for L; 0,75			
	Thermal conductivity λ_D [W/m*K]		0,022			
	Thermal transmittance $U_{d,s}$ [W/m ² *K]		0,40	0,29	0,23	0,19
Reaction to fire		B-s1,d0				
Fire resistance*	Vertical	NPD		E 30 / EI 20 / EW 30	E30 / EI 30 / EW 30	
	Horizontal	NPD		E30 / EI20 / EW 30		
Water permeability [class]		A				
Air permeability	Positive pressure	C = 0,1136; n = 0,2931				
	Negative pressure	C = 0,2451; n = 0,1187				
Airborne sound insulation R_w (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		Value				
Fire-spread		non-fire spreading				