



DECLARATION OF PERFORMANCE OF THE „ARPANEL” SANDWICH PANEL

NO. DWU/SU/PIR/01/2021/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, 2021-02-18



Annex 1 to the Declaration of performance NO. DWU/SU PIR/01/2021/EN

Panel thickness [mm]	60	80	100	120	Harmonized technical specification	
Dimensional tolerances	± 2 mm		± 2 %		PN-EN 14509:2013	
Mass [kg/m ²]	11,0	11,7	12,5	13,2		
Density of core material (PIR foam) [kg/m ³]	40±3				PN-EN 14509:2013	
External/Internal Facing - Steel grade	S280GD+Z; S250GD+Z; S220GD+Z				PN-EN 14509:2013	
Coating type	SP25, Food Safe (PVC), PRISMA, HPS, HDX, INOX, PVDF				PN-EN 14509:2013	
Thickness of facing material [mm]	External: 0,5 - 0,7		Internal: 0,4 - 0,7		PN-EN 14509:2013	
Facing profile	External: G, L, M8, M14		Internal: G, L			
Mechanical properties:						
Cross panel tensile strength f_{ct} [kPa]	100	100	100	100	PN-EN 14509:2013	
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		
Other properties:						
Thermal conductivity λ_D [W/m*K]	0,022				PN-EN 14509:2013	
Thermal transmittance $U_{a,s}$ [W/m ² *K]	0,40	0,29	0,23	0,19	PN-EN 14509:2013	
Reaction to fire	B-s1,d0				PN-EN 14509:2013	
Fire resistance*	Vertical	NPD		E 30 / EI 20 / EW 30	PN-EN 14509:2013	
	Horizontal	NPD		E30 / EI20 / EW 30		
Water permeability [class]	A				PN-EN 14509:2013	
Air permeability	Positive pressure	C = 0,1136; n = 0,2931				PN-EN 14509:2013
	Negative pressure	C = 0,2451; n = 0,1187				
Airborne sound insulation R_w (C, C _{tr}) [dB]	25 (-2;-4)				PN-EN 14509:2013	
Sound absorption α_w	0,15				PN-EN 14509:2013	

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

Parameter	Value	Technical specification
Fire-spread	non-fire spreading	PN-B-02867