




DECLARATION OF PERFORMANCE OF THE „ARPANEL” SANDWICH PANELS

NO. DWU/CH PUR/01/2019/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 CH 120 PUR, ARPANEL CH 140 PUR, ARPANEL CH 160 PUR, ARPANEL CH 200 PUR SANDWICH PANELS with polyurethane foam core.
3	Intended use, in accordance with the applicable harmonized technical specification	The ARPANEL sandwich panels are intended for external curtain walls, internal partition walls 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 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 Łos
Prokurent

Strzelce Opolskie, 17.06.2019

**Annex 1 to the Declaration of performance NO. DWU/CH PUR/01/2019/EN**

Panel thickness [mm]	120	140	160	200	Harmonized technical specification
Dimensional tolerances	± 2 %				PN-EN 14509:2013
Mass [kg/m ²]	13,1	13,8	14,5	15,9	
Density of core material (PUR 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, M20		
Mechanical properties:					
Cross panel tensile strength f_{ct} [kPa]	100	98	95	90	PN-EN 14509:2013
Compressive strength (core) f_{cc} [kPa]	100	100	100	100	
Shear strength (core) f_{cv} [kPa]	120	113	105	90	
Shear modulus (core) G_c [kPa]	3,1	2,9	2,7	2,3	
Other properties:					
Thermal conductivity λ_D [W/m*K]	0,022				PN-EN 14509:2013
Thermal transmittance $U_{d,s}$ [W/m ² *K]	0,18	0,16	0,14	0,11	PN-EN 14509:2013
Reaction to fire	B-s3,d0				PN-EN 14509:2013
Fire resistance	NPD				PN-EN 14509:2013
Water permeability [class]	A				PN-EN 14509:2013
Air permeability	Positive pressure	C = 0,2630; n = 0,5313			PN-EN 14509:2013
	Negative pressure	C = 0,0227; n = 0,4764			
Airborne sound insulation R_w (C, C _{tr}) [dB]	24 (-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
λ_{design} [W/m*K] (0°C)	0,021				PN-EN 14509:2013
$U_{d,s}$ [W/m ² *K] (0°C)	0,17	0,15	0,13	0,10	PN-EN 14509:2013