



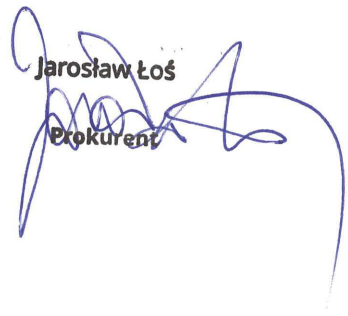
DECLARATION OF PERFORMANCE OF THE „ARPANEL” SANDWICH PANELS

NO. DWU/D MiWo/02/2020/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	Sandwich panels ARPANEL D 80/120 MIWO, ARPANEL D 100/140 MIWO, ARPANEL D 120/160 MIWO, ARPANEL D 150/190 MIWO, ARPANEL D 160/200 MIWO, ARPANEL D 180/220 MIWO, ARPANEL D 200/240 MIWO, ARPANEL D 220/260 MIWO with a core of mineral wool.
3	Intended use, in accordance with the applicable harmonized technical specification	Metal faced insulating panel for use in buildings as roofs.
4	System of assessment and verification of constancy of performance:	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 Łoś
Prokurent

Strzelce Opolskie 11.08.2020



Annex 1 to the Declaration of performance NO. DWU/D MiWo/02/2020/EN

Panel thickness [mm]	80/120	100/140	120/160	150/190	160/200	180/220	200/240	220/260	Harmonized technical specification
Dimensional tolerances	± 2 %								PN-EN 14509:2013
Mass [kg/m ²]	19,1	20,9	23,4	26,2	27,3	29,3	31,3	33,4	
Density of core material (MIWO) [kg/m ³]	105±10%								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: 0,6 - 0,7				Internal: 0,5 - 0,7				PN-EN 14509:2013
Facing profile	External: T				Internal: G, L, M20				
Mechanical properties:									
Cross panel tensile strength f_{ct} [kPa]	120	120	120	120	120	120	120	120	PN-EN 14509:2013
Compressive strength (core) f_{cc} [kPa]	70	70	70	70	66	58	50	50	
Shear strength (core) f_{cv} [kPa]	45	45	45	45	44	42	40	40	
Shear modulus (core) G_c [kPa]	4,4	4,1	3,9	3,5	3,4	3,1	2,8	2,8	
Creep coefficient	t= 2.000 h		0,5						
	t= 100.000 h		1,0						
Other properties:									
Thermal conductivity λ_D [W/m*K]	0,04								PN-EN 14509:2013
Thermal transmittance $U_{d,s}$ [W/m ² *K]	0,48	0,39	0,32	0,26	0,24	0,22	0,20	0,18	PN-EN 14509:2013
Reaction to fire	A2-s1,d0								PN-EN 14509:2013
Fire resistance	NPD	RE 120; REI 90						PN-EN 14509:2013	
Fire-spread	Broof (t ₁)		Broof (t ₁), (t ₃)	Broof (t ₁)		Broof (t ₁), (t ₃)	Broof (t ₁)		PN-EN 14509:2013
Water permeability [class]	A								PN-EN 14509:2013
Air permeability	Positive pressure		C = 1,2824; n = 0,1683						PN-EN 14509:2013
	Negative pressure		C = 0,3920; n = 0,2373						
Airborne sound insulation R_w (C, C_{tr}) [dB]	30 (-1;-3)				31 (-1,-3)				PN-EN 14509:2013
Sound absorption α_w	0,2								PN-EN 14509:2013