ARPANEL

CE

# DECLARATION OF PERFORMANCE OF THE „ARPANEL" SANDWICH PANELS

**NO. DWU/S MiWo Lt/01/2026/EN**

| | | |
|---|---|---|
| 1 | Name and address of manufacturer | Adamietz S.A.<br>47 – 100 Strzelce Opolskie<br>ul. Braci Prankel 1<br>Poland |
| 2 | Unique identification code of the product-type | Sandwich panels ARPANEL S 80 MIWO, ARPANEL S 100 MIWO, ARPANEL S 120 MIWO, ARPANEL S 150 MIWO, ARPANEL S 160 MIWO, ARPANEL S 180 MIWO, ARPANEL S 200 MIWO with the Rockwool mineral wool 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: | 3 |
| 5 | Harmonized standard | PN-EN 14509:2013 - 12 |
| 6 | Notified body | – INSTYTUT TECHNIKI BUDOWLANEJ Warsaw - No. 1488<br>– IMA Materialforschung und Anwendungstechnik GmbH Dresden – No. 2456<br>– 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:

PROKURENT
Marcin Sobisiak
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

Strzelce Opolskie 18.03.2026



ARPANEL – PŁYTY WARSTWOWE
www.arpanel.pl
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

ARPANEL

CE

# Annex 1 to the Declaration of performance **NO. DWU/S MiWo Lt/01/2026/EN**

| Panel thickness [mm] | | | 80 | 100 | 120 | 150 | 160 | 180 | 200 |
|---|---|---|---|---|---|---|---|---|---|
| Dimensional tolerances | | | ± 2 mm | | ± 2 % | | | | |
| Mass [kg/m²] | | | 16,1 | 17,8 | 19,5 | 22,0 | 22,9 | 24,6 | 26,3 |
| Density of core material (MIWO) [kg/m³] | | | 85±10% | | | | | | |
| 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: 0,5 – 0,7 | | |
| Facing profile | | | External: G, L , M8, M14, M30 | | | | Internal: G, L, M20 | | |
| Cross panel tensile strength $f_{ct}$ [kPa] | | | 58 | | | 51,63 | 49,5 | 45,25 | 41 |
| Compressive strength (core) $f_{cc}$ [kPa] | | | 48 | | | 43,88 | 42,5 | 39,75 | 37 |
| Shear strength (core) $f_{cv}$ [kPa] | | | 31 | | | 27,25 | 26 | 23,5 | 21 |
| Shear modulus (core) $G_c$ [MPa] | | | 3,2 | | | 2,75 | 2,6 | 2,3 | 2 |
| Creep coefficient | t= 2.000 h | | 1,5 | | | | | | |
| | t= 100.000 h | | 4,0 | | | | | | |
| Wrinkling stress [MPa] | in span | external face | G, M8, M30: 85 L: 123 M14: 85 | G, M8, M30: 95 L: 123 M14: 95 | G, M8, M30: 105 L: 123 M14: 105 | G, M8, M30: 95,6 L: 114 M14: 110,6 | G, M8, M30: 92,5 L: 111 M14: 112,5 | G, M8, M30: 86,3 L: 105 M14: 116,3 | G, M8, M30: 80 L: 99 M14: 120 |
| | | external face >80°C | G, M8, M30: 82 L: 119 M14: 82 | G, M8, M30: 92 L: 119 M14: 92 | G, M8, M30: 102 L: 119 M14: 102 | G, M8, M30: 93 L: 110,4 M14: 107,3 | G, M8, M30: 90 L: 107,5 M14: 109 | G, M8, M30: 84 L: 101,8 M14: 112,5 | G, M8, M30: 78 L: 96 M14: 116 |
| | | internal face | G, M20: 85 L: 123 | G, M20: 95 L: 123 | G, M20: 105 L: 123 | G, M20: 95,6 L: 114 | G, M20: 92,5 L: 111 | G, M20: 86,3 L: 105 | G, M20: 80 L: 99 |
| | At central support | external face | G, M8, M30: 57 L: 73 M14: 57 | G, M8, M30: 63,5 L: 73 M14: 63,5 | G, M8, M30: 70 L: 73 M14: 70 | G, M8, M30: 59,9 L: 70,8 M14: 70,8 | G, M8, M30: 56,5 L: 70 M14: 71 | G, M8, M30: 49,8 L: 68,5 M14: 71,5 | G, M8, M30: 43 L: 67 M14: 72 |
| | | external face >80°C | G, M8, M30: 55 L: 70 M14: 55 | G, M8, M30: 61,5 L: 70 M14: 61,5 | G, M8, M30: 68 L: 70 M14: 68 | G, M8, M30: 58,3 L: 68,1 M14: 68,8 | G, M8, M30: 55 L: 67,5 M14: 69 | G, M8, M30: 48,5 L: 66,3 M14: 69,5 | G, M8, M30: 42 L: 65 M14: 70 |
| | | internal face | G, M20: 72 L: 103 | G, M20: 80,5 L: 103 | G, M20: 89 L: 103 | G, M20: 77,8 L: 89,1 | G, M20: 74 L: 84,5 | G, M20: 66,5 L: 75,3 | G, M20: 59 L: 66 |
| | Correction factors including the cladding thickness | | Profilings | | | | | Cladding thickness [mm] | |
| | | | | | | | | 0,55 | 0,60 |
| | | | G, M8, M30 | | | | | 1,0 | |
| | | | M14 | | | | | 0,91 | 0,85 |
| | | | L | | | | | 0,98 | 0,84 |
| Thermal conductivity $\lambda_D$ [W/m*K] | | | 0,038 | | | | | | |
| Thermal transmittance $U_{d,S}$ [W/m²*K] | | | 0,46 | 0,37 | 0,31 | 0,25 | 0,23 | 0,21 | 0,19 |
| Reaction to fire | | | A2-s1,d0 | | | | | | |
| Fire resistance | VERTICAL | | NPD | | | | | | |
| | HORIZONTAL | | NPD | | EI 45/ E45 | | | | EI 120/ E 180 |
| | | | NPD | EI 90/ E120* | EI120/E120* | EI120/E180* | EI180/E180* | EI180/E180* | EI240/E240* |
| 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] | | | 30 (-2;-3) | | | | | | 31 (-3,-4) |
| Sound absorption $\alpha_w$ | | | 0,15 | | | | | | |

*) Fire resistance class achieved for panels with a fire protection tape




**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