

DECLARATION OF PERFORMANCE

No. 004-2024-01-10-ASP

1. Unique identification code of product-type:

Areco Sandwich Panel / ASP-S/-S+/-T/-L/-E/-EX

2. Product identification:

Product	Nominal thickness	Actual Thickness	Weight	Core material	External sheet	Internal sheet
ASP100- S/-S+	100 mm	100 mm	17 - 19 kg/m ²	stonewool	PE / PVDF 0,6	PE/PVDF 0,5/0,6
ASP120- S/-S+	120 mm	119 mm	18 - 21 kg/m ²	stonewool	PE / PVDF 0,6	PE/PVDF 0,5/0,6
ASP150- S/-S+	150 mm	151 mm	21 - 25 kg/m ²	stonewool	PE / PVDF 0,6	PE/PVDF 0,5/0,6
ASP175- S/-S+	175 mm	173 mm	23 - 27 kg/m ²	stonewool	PE / PVDF 0,6	PE/PVDF 0,5/0,6
ASP200- S/-S+	200 mm	202 mm	25 - 30 kg/m ²	stonewool	PE / PVDF 0,6	PE/PVDF 0,5/0,6
ASP240- S/-S+	240 mm	242 mm	29 - 35 kg/m ²	stonewool	PE / PVDF 0,6	PE/PVDF 0,5/0,6
ASP300- S/-S+	300 mm	304 mm	34 - 41 kg/m ²	stonewool	PE / PVDF 0,6	PE/PVDF 0,5/0,6
ASP100- T	100 mm	100 mm	17 - 19 kg/m ²	stonewool	PE/PVDF 0,5/0,6	PE/PVDF 0,5/0,6
ASP120- T	120 mm	119 mm	18 - 21 kg/m ²	stonewool	PE/PVDF 0,5/0,6	PE/PVDF 0,5/0,6
ASP150- T	150 mm	151 mm	21 - 25 kg/m ²	stonewool	PE/PVDF 0,5/0,6	PE/PVDF 0,5/0,6
ASP175- T	175 mm	173 mm	23 - 27 kg/m ²	stonewool	PE/PVDF 0,5/0,6	PE/PVDF 0,5/0,6
ASP200- T	200 mm	202 mm	25 - 30 kg/m ²	stonewool	PE/PVDF 0,5/0,6	PE/PVDF 0,5/0,6
ASP240- T	240 mm	242 mm	29 - 35 kg/m ²	stonewool	PE/PVDF 0,5/0,6	PE/PVDF 0,5/0,6
ASP300- T	300 mm	304 mm	34 - 41 kg/m ²	stonewool	PE/PVDF 0,5/0,6	PE/PVDF 0,5/0,6
ASP100-L	100 mm	100 mm	17 kg/m ²	stonewool	PE/PVDF 0,5/0,6	PE/PVDF 0,5/0,6
ASP120-L	120 mm	119 mm	18 kg/m ²	stonewool	PE/PVDF 0,5/0,6	PE/PVDF 0,5/0,6
ASP150-L	150 mm	151 mm	21 kg/m ²	stonewool	PE/PVDF 0,5/0,6	PE/PVDF 0,5/0,6
ASP175-L	175 mm	173 mm	22 kg/m ²	stonewool	PE/PVDF 0,5/0,6	PE/PVDF 0,5/0,6
ASP200-L	200 mm	202 mm	24 kg/m ²	stonewool	PE/PVDF 0,5/0,6	PE/PVDF 0,5/0,6
ASP240-L	240 mm	242 mm	27 kg/m ²	stonewool	PE/PVDF 0,5/0,6	PE/PVDF 0,5/0,6
ASP300-L	300 mm	304 mm	31 kg/m ²	stonewool	PE/PVDF 0,5/0,6	PE/PVDF 0,5/0,6
ASP100-E	100 mm	100 mm	18 - 20 kg/m ²	stonewool	PE / PVDF 0,6	PE / PVDF 0,6
ASP120-E	120 mm	119 mm	19 - 22 kg/m ²	stonewool	PE / PVDF 0,6	PE / PVDF 0,6
ASP150-E	150 mm	151 mm	22 - 26 kg/m ²	stonewool	PE / PVDF 0,6	PE / PVDF 0,6
ASP175-E	175 mm	173 mm	24 - 28 kg/m ²	stonewool	PE / PVDF 0,6	PE / PVDF 0,6
ASP200-E	200 mm	202 mm	26 - 31 kg/m ²	stonewool	PE / PVDF 0,6	PE / PVDF 0,6
ASP240-E	240 mm	242 mm	30 - 36 kg/m ²	stonewool	PE / PVDF 0,6	PE / PVDF 0,6
ASP300-E	300 mm	304 mm	35 - 42 kg/m ²	stonewool	PE / PVDF 0,6	PE / PVDF 0,6
ASP100-EX	100 mm	100 mm	21 kg/m ²	stonewool	PE / PVDF 0,6	PE / PVDF 0,6

ASP120-EX	120 mm	119 mm	23 kg/m ²	stonewool	PE / PVDF 0,6	PE / PVDF 0,6
ASP150-EX	150 mm	151 mm	27 kg/m ²	stonewool	PE / PVDF 0,6	PE / PVDF 0,6
ASP175-EX	175 mm	173 mm	30 kg/m ²	stonewool	PE / PVDF 0,6	PE / PVDF 0,6
ASP200-EX	200 mm	202 mm	33 kg/m ²	stonewool	PE / PVDF 0,6	PE / PVDF 0,6
ASP240-EX	240 mm	242 mm	38 kg/m ²	stonewool	PE / PVDF 0,6	PE / PVDF 0,6
ASP300-EX	300 mm	304 mm	46 kg/m ²	stonewool	PE / PVDF 0,6	PE / PVDF 0,6

3. Intended use:

Self supporting metal faced mineral wool cored sandwich panel:
external walls, internal walls, ceilings

4. Manufacturer:

Areco Profiles Ltd
Tehdastie 17
FI-31400 SOMERO

5. AVCP-procedure:

Reaction to fire: 1
Fire resistance: 3
Other properties: 3

6. Notified institution:

Eurofins Expert Services Oy
Identification no.: 0809
EC-certificate no.: 0809-CPR-1083

Eurofins Expert Services Ltd has performed initial inspection of the factory and internal quality control and performs continuous quality control of the production and testing to ensure conformity of the products.

7. Declared performances:

Standard: EN 14509:2013/AC:2008

Performance	ASP100-300-S/-S+	ASP100-300-T	ASP100-300-L	ASP100-300-E	ASP100-300-EX
Tensile strength	0,095 MPa	0,070 MPa	0,090 MPa	0,0950 MPa	0,210 MPa
Compressive strength	0,062 Mpa	0,052 MPa	0,042 MPa	0,062 MPa	0,100 MPa
Shear strength	0,059 MPa	0,055 MPa	0,040 MPa	0,059 MPa	0,085 MPa
Shear modulus	3,5 MPa	2,0 MPa	3,0 MPa	3,5 MPa	8,0 MPa
Wrinkling stress	125 MPa	110 MPa	80 MPa	125 MPa	165,0 MPa
Thermal conductivity	0,040 W/mK	0,040 W/mK	0,038 W/mK	0,040 W/mK	0,045 W/mK
Reaction to fire	A2-s1, d0	A2-s1, d0	A2-s1, d0	A2-s1, d0	A2-s1, d0
Air permeability	0,66 m ³ /hm ²	0,66 m ³ /hm ²	0,66 m ³ /hm ²	0,66 m ³ /hm ²	0,66 m ³ /hm ²
Water permeability	Class A	Class A	Class A	Class A	Class A
Water vapor	Impermeable	Impermeable	Impermeable	Impermeable	Impermeable
Durability (DUR2)	Approved	Approved	Approved	Approved	Approved

Product type	Performance	Thickness						
		100 mm	120 mm	150 mm	175 mm	200 mm	240 mm	300 mm
ASP-S/-S+ (walls)	U-value W/m ² K	0,38	0,31	0,26	0,22	0,20	0,16	0,13
	Fire resistance	EI 120	EI 120	EI 120	EI 120	EI 240	EI 240	EI 240
ASP-T (walls)	U-value W/m ² K	0,38	0,31	0,26	0,22	0,20	0,16	0,13
	Fire resistance	EI 60	EI 60	EI 120	EI 120	EI 180	EI 240	EI 240
ASP-L (walls)	U-value W/m ² K	0,37	0,30	0,24	0,21	0,18	0,15	0,12
	Fire resistance	EI 30	EI 30	EI 120	EI 120	EI 240	EI 240	EI 240
ASP-E (walls)	U-value W/m ² K	0,38	0,31	0,26	0,22	0,20	0,16	0,13
	Fire resistance	EI 120	EI 120	EI 120	EI 120	EI 240	EI 240	EI 240
ASP-EX (walls)	U-value W/m ² K	0,43	0,36	0,29	0,25	0,22	0,18	0,14
	Fire resistance	EI 120	EI 120	EI 120	EI 120	EI 240	EI 240	EI 240
ASP-E/-EX (ceiling)	U-value W/m ² K	0,38/0,43	0,31/0,36	0,26/0,29	0,22/0,25	0,20/0,22	0,16/0,18	0,13/0,14
	Fire resistance	EI 60	EI 60	EI 60	EI 60	EI 60	EI 60	EI 60

8. The performance of the product identified at points 1 and 2 is in conformity with the declared performance in point 7. This declaration of performance is issued at the sole responsibility of the manufacturer identified in point 4.

On behalf of the manufacturer:

Somero 15.10.2024



Maid Kulasin
CEO
Areco Profiles Ltd