

1. **Unique identification code of product-type:** Areco Spirit Panel / ASP-S/-S+/-T/-L/-E/-EX

2. **Product identification:**

Product	Nominal thickness	Actual Thickness	Weight kg/m ²	Core material	External sheet	Internal sheet
ASP100- S/-S+	100 mm	100 mm	17 - 19	Stone wool	PE/PVDF 0,6	PE/PVDF 0,5/0,6
ASP120- S/-S+	120 mm	119 mm	18 - 21	Stone wool	PE/PVDF 0,6	PE/PVDF 0,5/0,6
ASP150- S/-S+	150 mm	151 mm	21 - 25	Stone wool	PE/PVDF 0,6	PE/PVDF 0,5/0,6
ASP175- S/-S+	175 mm	173 mm	23 - 27	Stone wool	PE/PVDF 0,6	PE/PVDF 0,5/0,6
ASP200- S/-S+	200 mm	202 mm	25 - 30	Stone wool	PE/PVDF 0,6	PE/PVDF 0,5/0,6
ASP240- S/-S+	240 mm	242 mm	29 - 35	Stone wool	PE/PVDF 0,6	PE/PVDF 0,5/0,6
ASP300- S/-S+	300 mm	300 mm	34 - 41	Stone wool	PE/PVDF 0,6	PE/PVDF 0,5/0,6
ASP100-T	100 mm	100 mm	17 - 19	Stone wool	PE/PVDF 0,6	PE/PVDF 0,5/0,6
ASP120-T	120 mm	119 mm	18 - 21	Stone wool	PE/PVDF 0,6	PE/PVDF 0,5/0,6
ASP150-T	150 mm	151 mm	21 - 25	Stone wool	PE/PVDF 0,6	PE/PVDF 0,5/0,6
ASP175-T	175 mm	173 mm	23 - 27	Stone wool	PE/PVDF 0,6	PE/PVDF 0,5/0,6
ASP200-T	200 mm	202 mm	25 - 30	Stone wool	PE/PVDF 0,6	PE/PVDF 0,5/0,6
ASP240-T	240 mm	242 mm	29 - 35	Stone wool	PE/PVDF 0,6	PE/PVDF 0,5/0,6
ASP300-T	300 mm	300 mm	34 - 41	Stone wool	PE/PVDF 0,6	PE/PVDF 0,5/0,6
ASP100-L	100 mm	100 mm	15	Stone wool	PE/PVDF 0,6	PE/PVDF 0,5
ASP120-L	120 mm	119 mm	17	Stone wool	PE/PVDF 0,6	PE/PVDF 0,5
ASP150-L	150 mm	151 mm	18	Stone wool	PE/PVDF 0,6	PE/PVDF 0,5
ASP175-L	175 mm	173 mm	21	Stone wool	PE/PVDF 0,6	PE/PVDF 0,5
ASP200-L	200 mm	202 mm	22	Stone wool	PE/PVDF 0,6	PE/PVDF 0,5
ASP240-L	240 mm	242 mm	27	Stone wool	PE/PVDF 0,6	PE/PVDF 0,5
ASP300-L	300 mm	300 mm	31	Stone wool	PE/PVDF 0,6	PE/PVDF 0,5
ASP100-E	100 mm	100 mm	18 - 20	Stone wool	PE/PVDF 0,6	PE/PVDF 0,6
ASP120-E	120 mm	119 mm	19 - 22	Stone wool	PE/PVDF 0,6	PE/PVDF 0,6
ASP150-E	150 mm	151 mm	22 - 26	Stone wool	PE/PVDF 0,6	PE/PVDF 0,6
ASP175-E	175 mm	173 mm	24 - 28	Stone wool	PE/PVDF 0,6	PE/PVDF 0,6
ASP200-E	200 mm	202 mm	26 - 31	Stone wool	PE/PVDF 0,6	PE/PVDF 0,6
ASP240-E	240 mm	242 mm	30 - 36	Stone wool	PE/PVDF 0,6	PE/PVDF 0,6
ASP300-E	300 mm	300 mm	35 - 42	Stone wool	PE/PVDF 0,6	PE/PVDF 0,6
ASP100-EX	100 mm	100 mm	21	Stone wool	PE/PVDF 0,6	PE/PVDF 0,6
ASP120-EX	120 mm	119 mm	23	Stone wool	PE/PVDF 0,6	PE/PVDF 0,6
ASP150-EX	150 mm	151 mm	27	Stone wool	PE/PVDF 0,6	PE/PVDF 0,6
ASP175-EX	175 mm	173 mm	30	Stone wool	PE/PVDF 0,6	PE/PVDF 0,6
ASP200-EX	200 mm	202 mm	33	Stone wool	PE/PVDF 0,6	PE/PVDF 0,6
ASP240-EX	240 mm	242 mm	38	Stone wool	PE/PVDF 0,6	PE/PVDF 0,6
ASP300-EX	300 mm	300 mm	45	Stone wool	PE/PVDF 0,6	PE/PVDF 0,6

3. **Intended use:**

Self supporting metal faced mineral wool cored sandwich panel; external walls, dividing walls, ceilings.

5. **AVCP-procedure:**

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

4. **Manufacturer:**

Areco Profiles Oy
Tehdastie 17
31400 Somero
Finland

6. **Notified institution:**

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

Eurofins Expert Services 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.

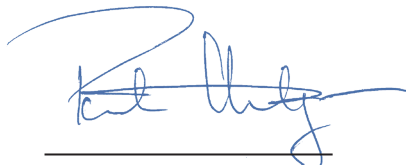
7. Declared performances: Standard: EN 14509:2013/AC:2008

Performance	ASP100-300-S/-S+	ASP100-300-T	ASP100-300-L	ASP100-300-E	ASP100-300-EX
Tensile strength	0,090 MPa	0,065 MPa	0,060 MPa	0,090 MPa	0,210 MPa
Compressive strength	0,062 MPa	0,050 MPa	0,042 MPa	0,062 MPa	0,100 MPa
Shear strength	0,059 MPa	0,055 MPa	0,042 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	115 MPa	105 MPa	80 MPa	115 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	0,095 MPa	0,070 MPa	0,090 MPa	0,095 MPa	0,210 MPa
Water vapor permeability	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 120	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 120	EI 120	EI 120	EI 120	EI 120	EI 240	EI 240
ASP-L (walls)	U-value W/m ² K	0,37	0,30	0,24	0,21 / 0,22	0,18	0,15	0,12
	Fire resistance	EI 30	EI 30	EI 120	EI 120	EI 120	EI 120	EI 120
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 120	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 60	EI 60	EI 120	EI 120	EI 120	EI 240	EI 240
ASP-E/-EX (ceilings)	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 5th of February 2021



Pontus Holgersson, MD
Areco Profiles AB