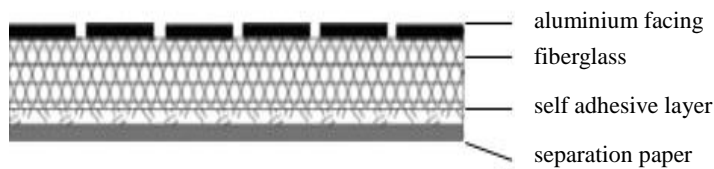




AL-ARALAMINO

Noise eliminating, sound proofing, damping and heat insulating absorptive material

Composition: Al-Aralamino is a multi-layer foil made from aluminium facing, fiberglass and the self - adhesive layer with protective separation paper



Application: it is designed to obtain sound absorption and heat elimination – we use them for cars, buses, trains, heavy trucks, agricultural vehicles, boats, fireplaces, inserts, stoves, heating systems

Total thickness

5⁺²₋₁ mm
9⁺²₋₂ mm
15⁺¹₋₃ mm

Surface area

1 500 g/m² ±12%
2 400 g/m² ±12%
3 900 g/m² ±12%

Supplied sizes: standard size of board 1 000 x 1 000 mm (boards can be supplied also in the different sizes and we are able to make different shapes, desks according to decision of the client). In a case of the agreement, is possible to make a thickness of material 25mm.

Thermal conductivity coefficient: 0,041 W.m⁻¹.K⁻¹

Blaze temperature: 470 ±12°C (according to STN ISO 871:2010)

Inflame temperature: 470 ±12°C (according to STN ISO 871:2010)

Combustion velocity: 0 mm.min⁻¹ (according to STN ISO 3795:1995)

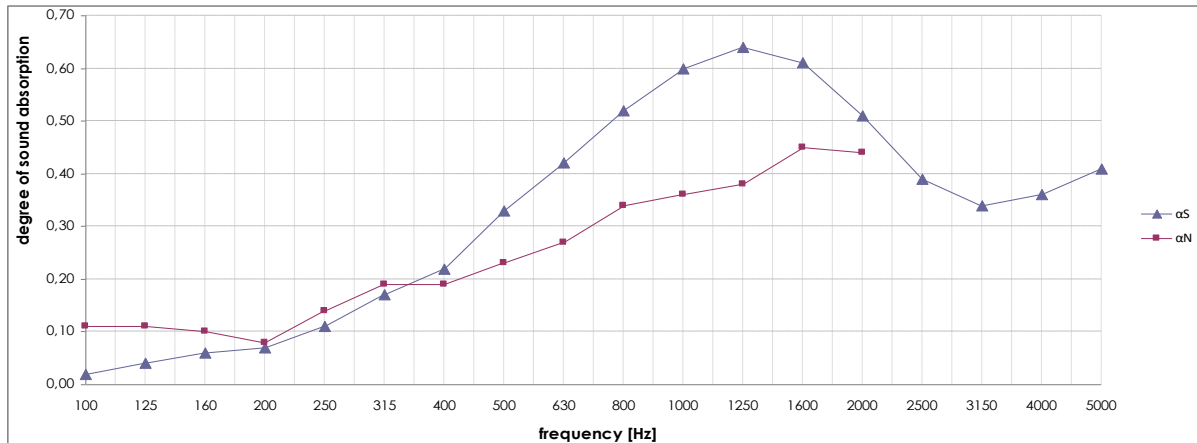
Installation: apply to clean, non- fat, smooth surface, min. temperature for application +15°C

Storage: on dry, clean and close places with temperature 15 – 35°C

Sound absorption:

Al-Aralamino, thickness 9 mm

Hz	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
α_s	0,02	0,04	0,06	0,07	0,11	0,17	0,22	0,33	0,42	0,52	0,60	0,64	0,61	0,51	0,39	0,34	0,36	0,41
α_N	0,11	0,11	0,10	0,08	0,14	0,19	0,19	0,23	0,27	0,34	0,36	0,38	0,45	0,44				



f - frequency [Hz]

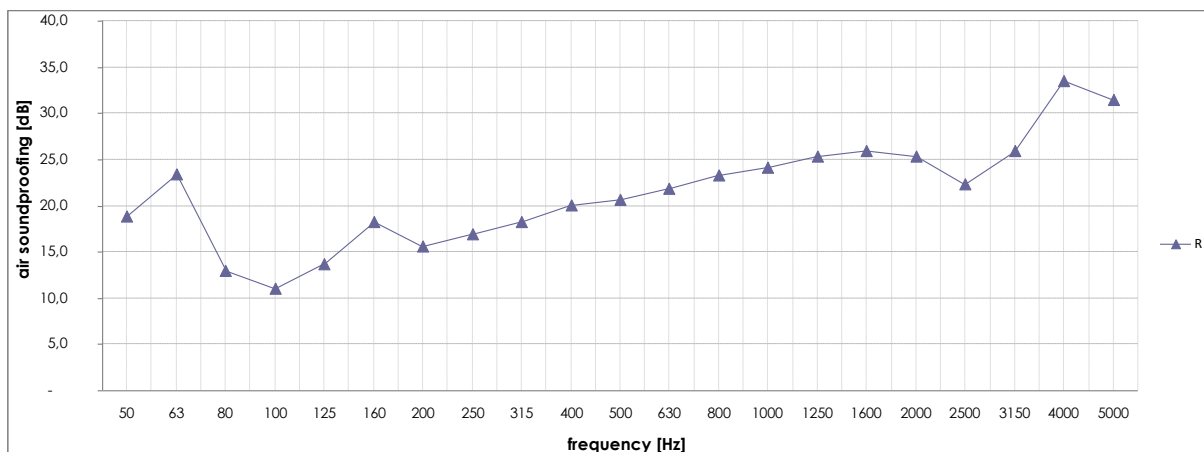
α_s (-) -degree of sound absorption (measured in a reverberation room)

α_N (-) -degree of sound absorption (measured in a tube)

Air soundproofing:

Al-Aralamino, thickness 15 mm:

f [Hz]	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
R [dB]	18,8	23,4	13,0	11,0	13,7	18,3	15,6	16,9	18,3	20,1	20,7	21,9	23,3	24,1	25,3	26,0	25,4	22,3	25,9	33,5	31,5



f -frequency [Hz]

R 1/3 octave -air soundproofing [dB] ...according to STN EN ISO 140-3

Certificates: Izolex a.s. - certificate type EN ISO 9001