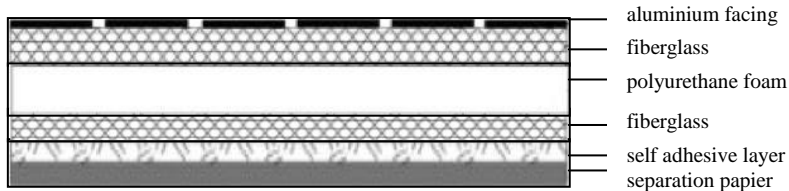




IZOMAT

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

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



Application: it is designed to obtain maximum sound absorption from the engine, eliminate sound from road, we can use it for cars, buses, trains, heavy trucks, agricultural vehicles, boats, air conditioning, for mechanical engineering and sound insulation of operating areas and so on.

Total thickness	Surface area
25 ⁺² ₋₃ mm	3 400g/m ² ±15%
30 ⁺² ₋₃ mm	3 700g/m ² ±15%

Supplied sizes: standard size of board 1 350 x 1 000 mm (boards can be supplied also in the different sizes and we are able to make different shapes, desks according to the decision of the client)

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

Blaze temperature: 305 ±17°C (according to STN ISO 871:1999)

Inflame temperature: 420 ±12°C (according to STN ISO 871:1999)

Capability of materials to repel fuel/lubricant: ≤0,055 g (according to test ECE No.118)

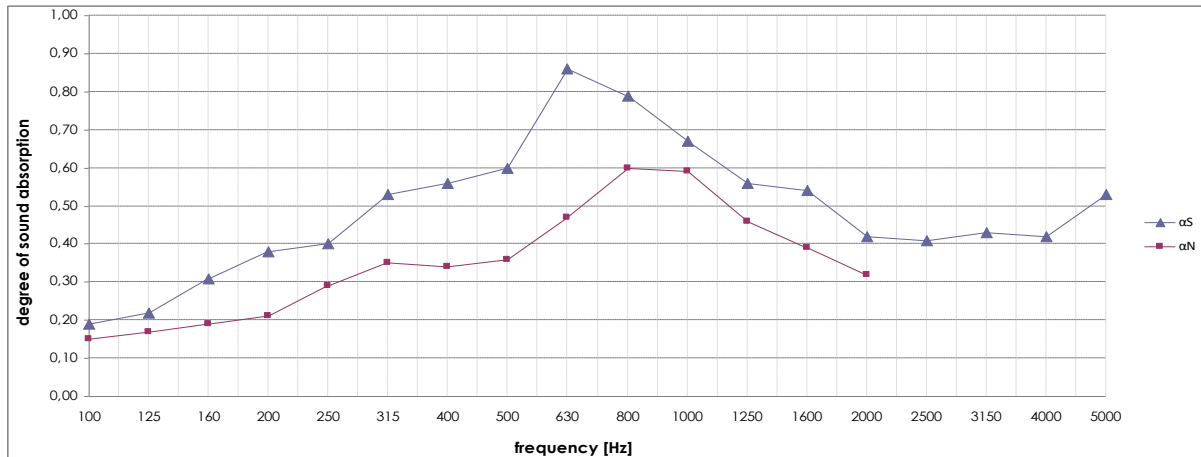
Installation: apply to clean, non- fat, smooth surface, min. temperature for application +15°C

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

Sound absorption:

Izomat, thickness 25 mm

f [Hz]	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
α_S	0,19	0,22	0,31	0,38	0,40	0,53	0,56	0,60	0,86	0,79	0,67	0,56	0,54	0,42	0,41	0,43	0,42	0,53
α_N	0,15	0,17	0,19	0,21	0,29	0,35	0,34	0,36	0,47	0,60	0,59	0,46	0,39	0,32				



f -frequency [Hz]

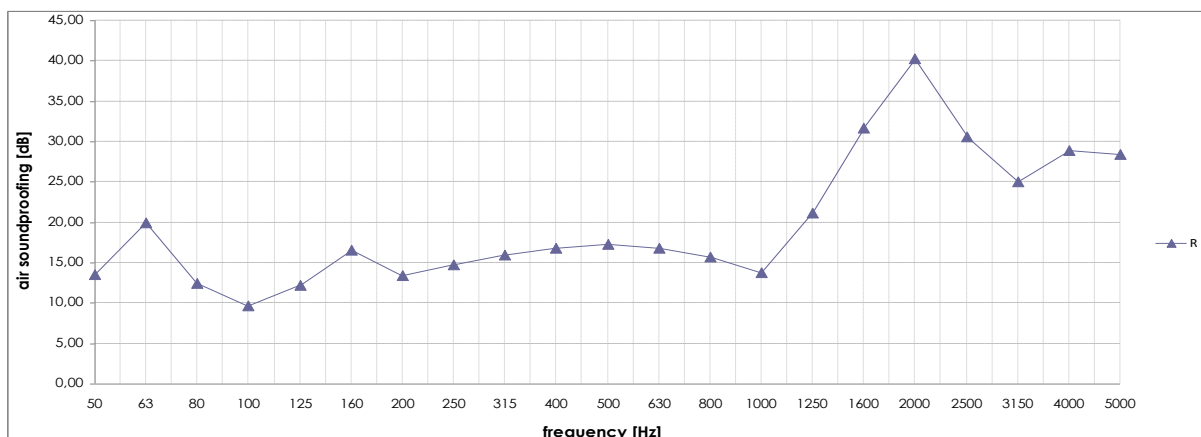
α_S (-) -degree of sound absorption (measured in a reverberation room)

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

Air soundproofing:

Izomat, thickness 25 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]	13,6	19,9	12,4	9,7	12,2	16,6	13,4	14,8	16,0	16,8	17,3	16,8	15,7	13,8	21,2	31,7	40,3	30,6	25,0	28,9	28,4



f -frequency [Hz]

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

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