SINCE 1928

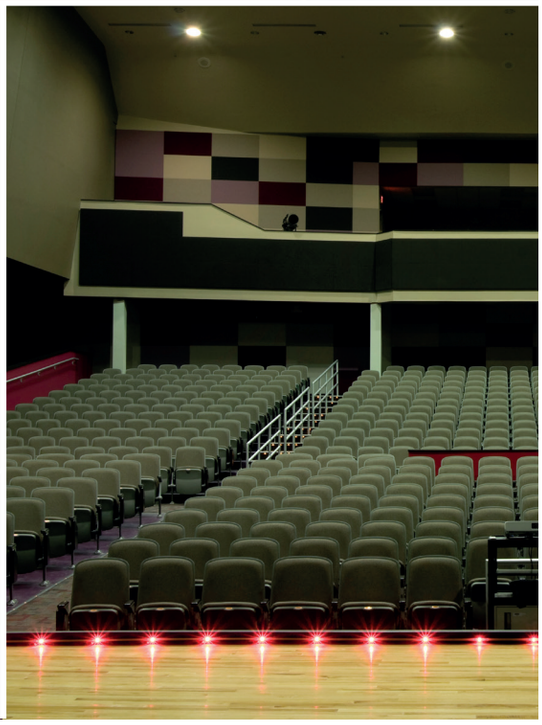
Valli Zabban

RUBBER TECHNOLOGIES

AETOLIA

SOUNDPROOF PANELS

AETOLIA

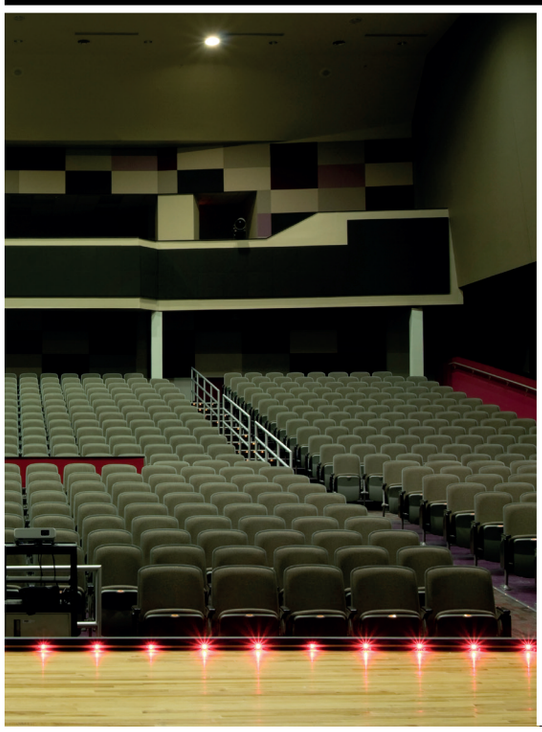


AETOLIA VZ. IT IS THE CORRECT ANSWER

In environments like recording studios, meeting rooms and restaurants a perfect acoustic is required. Aetolia VZ line responds with solutions capable to offer a high level of acoustic absorption and a marked reduction of the echo periods.

Up to date technologies, with the advantage of a simple and fast application, making instant work possible.

Thanks to the design pleasantness and to the wide range of colours, the Aetolia soundproof panels can be placed without problems in any kind of environment. For those asking for performance, comfort and convenience, the correct answer is always one: Aetolia VZ.



SOUND AE ZERO

Where there is a need to reduce the echo periods, there is SOUND AE ZERO: the acoustic adjustment for environments like recording studios, meeting rooms, and restaurants. Light, strong and resistant, the SOUND AE ZERO walls and ceilings soundproof panels are extremely simple to apply. The ideal solution for an instant acoustic treatment.
On top of the acoustic performances, the SOUND AE ZERO panels distinguish themselves for the pleasant design, suitable for every environment. They are covered with fireproof fabric, available in a wide range of colours.

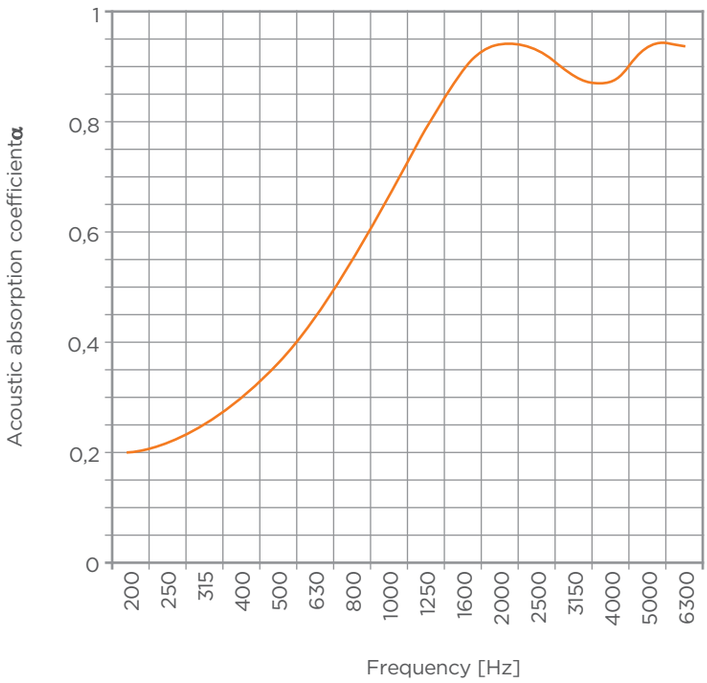
Application method
Make a hole in the wall or in the ceiling to insert the expansion dowel. Tighten the plastic support, with the velcro facing outside. Finally place the panel on the previously mounted supports.

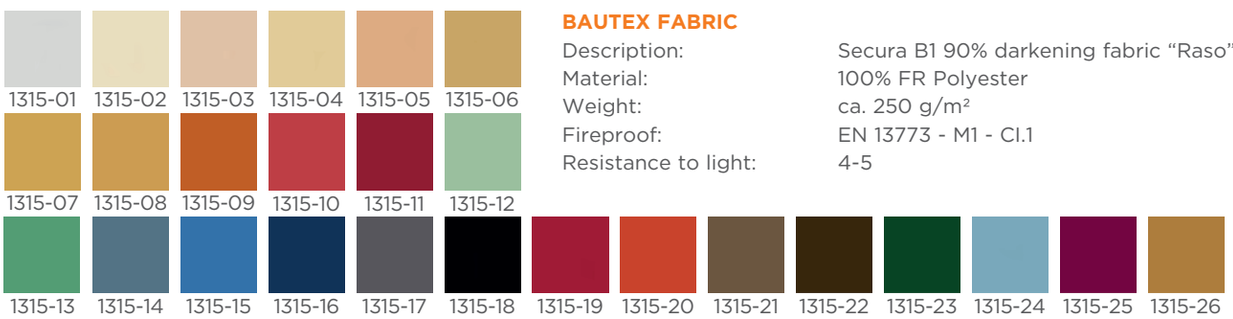
Packaging dimensions

Length	Width	Thickness	Minimum quantity
60 cm	60 cm	5,50 cm	12 panels
60 cm	80 cm	5,50 cm	12 panels
60 cm	100 cm	5,50 cm	12 panels
60 cm	120 cm	5,50 cm	6 panels

Acoustic performance
Soundproof coefficient according to ISO 10534-2 norm.

f [Hz]	**α**
200	0.202
250	0.219
315	0.255
400	0.301
500	0.364
630	0.448
800	0.547
1000	0.662
1250	0.789
1600	0.898
2000	0.937
2500	0.927
3150	0.882
4000	0.874
5000	0.940
6300	0.939





BAUTEX FABRIC

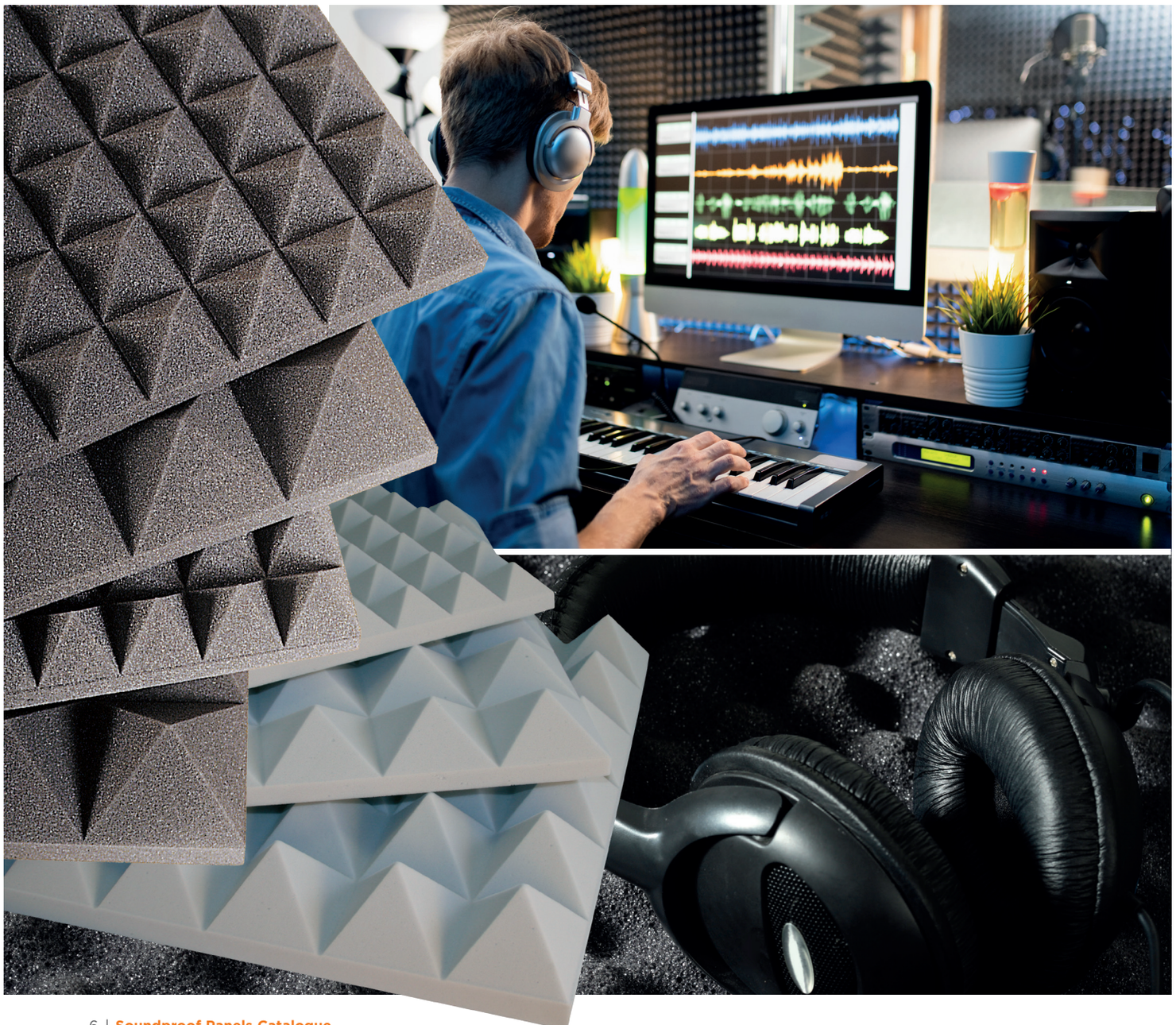
Description:	Secura B1 90% darkening fabric “Raso”
Material:	100% FR Polyester
Weight:	ca. 250 g/m²
Fireproof:	EN 13773 - M1 - Cl.1
Resistance to light:	4-5

AECO ZERO

The AECO ZERO soundproof panels, similar to the SOUND AE ZERO ones, have been designed and manufactured to improve and reduce the echo period.

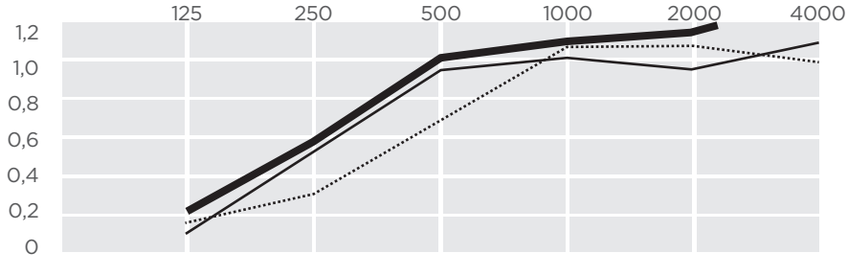
The pyramidal AECO ZERO panel, thanks to its angular structure tripling the absorbent surface, reaches high acoustic absorption levels, with remarkable results on the medium and high frequencies. It can be in expanded polyurethane or in expanded Basotect from BASF in melamine resin. The Dimpled AECO ZERO, in flexible polyurethane glue polyester based, is particularly recommended for the acoustic improvement of industrial environments, for the soundproof covering of air drains and shooting ranges and in the internal covering of carters, encapsulations, silencers, acoustic rooms and ventilation machineries.
Lightness, convenience and easy application are amongst the most relevant characteristics of the AECO ZERO panels, available in various dimensions and compatible with the architecture of all the interiors.

Application method
Thanks to its flexibility, the panel can be cut with a cutter and shaped with extreme simplicity. It can be applied with glue on any type of surface, even curved: as long as it is smooth, free from grease, oil and dust. It is recommended to handle the panels with gloves to avoid making them dirty. Before laying them, it is good practice to verify the real panels measures, which can vary due to the ambient temperature (up to ± 5%).



Pyramidal in polyurethane

Acoustic absorption grade (αS)



Frequency (Hz)	125	250	500	1000	2000	4000
αS	0,22	0,55	0,96	1,13	1,15	1,43
	0,08	0,53	0,90	1,03	0,97	1,03
	0,11	0,27	0,59	1,08	1,07	1,01

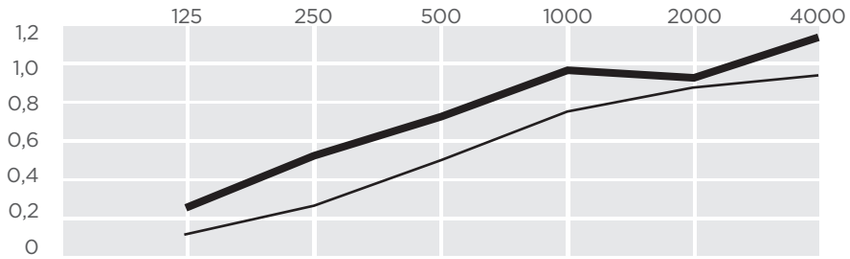
100 mm of pyramid slab, stimulated by a shot
100 mm of pyramid slab, stimulated by a loudspeaker
70 mm of pyramid slab, stimulated by a loudspeaker

Acoustic absorption factors determination according to DIN 52212 norm in a big echo room

Thickness	Thickness composition	Size	M²/Panel	Density	Thermal conductivity	Temperature resistance
35	15 base + 20 piramide	100X100 cm	1	35 Kg/m³	0,029 W/mk	-10 +90°C
50	20 base + 30 piramide	100X100 cm	1	35 Kg/m³	0,029 W/mk	-10 +90°C
70	20 base + 50 piramide	100X100 cm	1	35 Kg/m³	0,029 W/mk	-10 +90°C

Pyramidal in melamine resins

Acoustic absorption grade (αS)

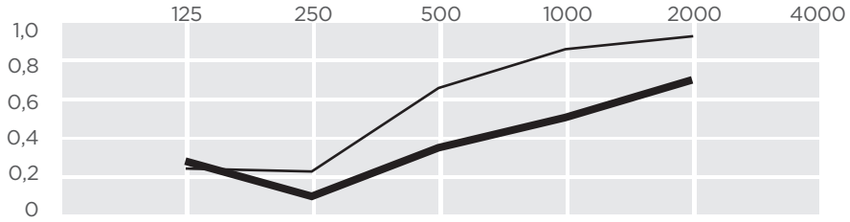


Frequency (Hz)	125	250	500	1000	2000	4000
αS 50/60	0,13	0,25	0,50	0,75	0,88	0,94
αS 70/100	0,22	0,49	0,77	0,96	0,96	1,05

Thickness	Thickness composition	Size	M²/Panel	Density	Thermal conductivity	Temperature resistance
35	15 base + 20 pyramid	120X60 cm	0,72	8-11 Kg/m³	<0,035 W/mk	max 150°C
50	20 base + 30 pyramid	120X60 cm	0,72	8-11 Kg/m³	<0,035 W/mk	max 150°C
70	20 base + 50 pyramid	120X60 cm	0,72	8-11 Kg/m³	<0,035 W/mk	max 150°C

Dimpled in polyurethane

Acoustic absorption grade (αS)



Frequency (Hz)	125	250	500	1000	2000	4000
30 mm	0,25	0,11	0,37	0,47	0,68	0,69
50 mm	0,22	0,20	0,61	0,89	0,92	0,69

Acoustic absorption factors determination according to DIN 52212 norm in a big echo room

Thickness	Thickness composition	Size	M²/Panel	Density	Thermal conductivity	Temperature resistance
20	10 base + 10 dimpled	100X100 cm	1	35 Kg/m³	0,029 W/mk	-10 +90°C
30	10 base + 20 dimpled	100X100 cm	1	35 Kg/m³	0,029 W/mk	-10 +90°C
50	20 base + 30 dimpled	100X100 cm	1	35 Kg/m³	0,029 W/mk	-10 +90°C

TONON GROUP
building inspiration

Warnings

Data and indications are based on our current knowledge and experience. They don't represent any legal status guarantee. When using the product it is always advisable to keep in mind the particular jobsite needs, especially from a physical, technical and legal aspect of the constructions. Concerning the technical data update and any additional information, please visit our web site www.aetoliavz.it

The picture in this catalogue are just illustrative, the color will change depending on the material used.

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QUALITY SYSTEM	ENVIRONMENTAL SYSTEM	SAFETY SYSTEM	SOCIAL ACCOUNTABILITY
Q	A	S	E
ISO 9001	ISO 14001	ISO 45001	SA 8000

Head Office • 50041 Calenzano (FI) Italy, via di Le Prata, 103
• tel. +39.055.32804.1 fax +39.055.300300 • www.vallizabban.it • commercialeaetolia@vallizabban.it