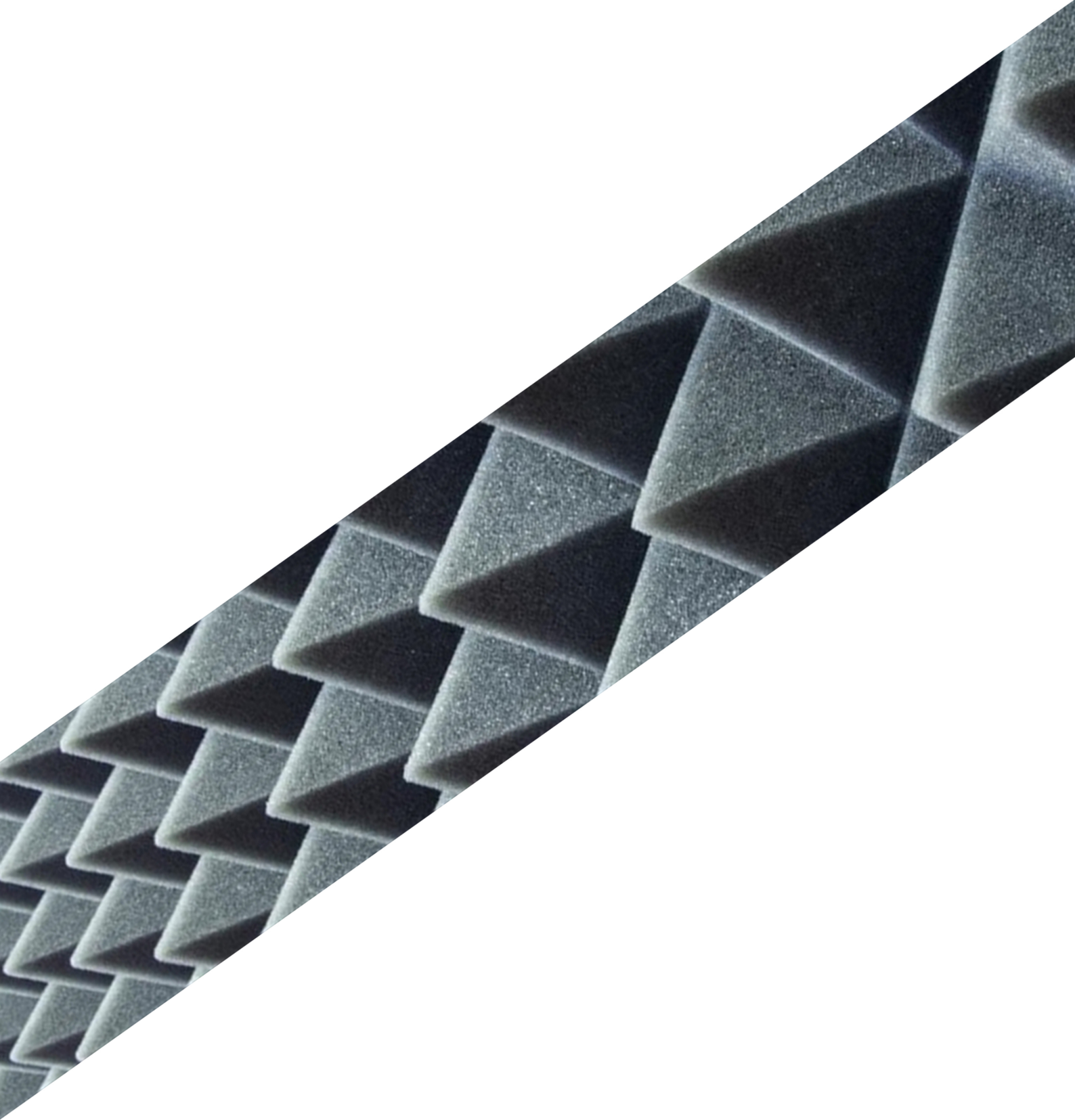




PRODUCT SHEET

ACOUSTIC FOAM



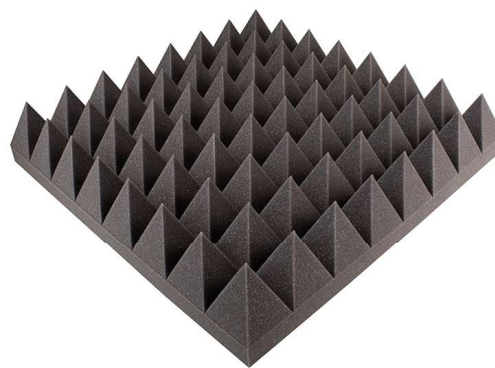
Acoustic Foam

Acoustic foam exhibits a remarkable porosity exceeding %99, allowing sound waves to penetrate deeply into the material. This penetration facilitates the conversion of sound energy into kinetic and thermal energy through internal friction, effectively dissipating and absorbing the sound. Consequently, the reflection of sound waves is significantly reduced.

This material is suitable for indoor sound absorption and noise reduction, as it does not release dust or harmful gases during installation. Additionally, it can be utilized within resonant structures to enhance sound absorption across a full range of frequencies.

■ PRODUCT OVERVIEW

- **Size:** Length: 600mm/1200mm/2400mm
width: 600mm/1200mm
- **Thickness:** 100--25mm
(tolerance: length \pm 2mm, width \pm 1mm, thickness \pm 1mm)
- **Density:** 10-8kg/ m²
- **Applicable places:** gymnasium, theatre, auditorium, church, recording room, studio, multi-function hall, home theater, etc.
- **Installation accessories:** light steel keel, 12mmplywood batten, special clip piece.



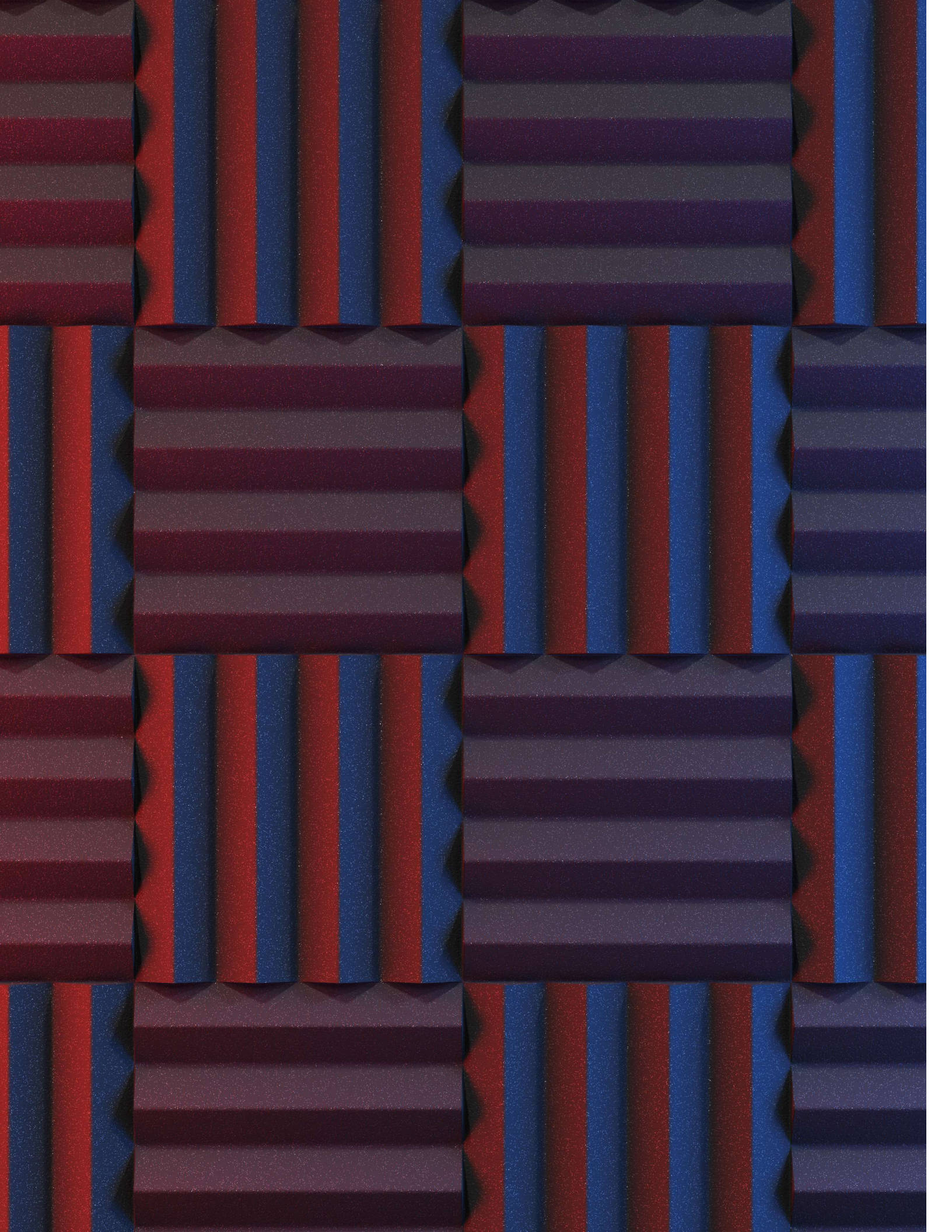
■ PRODUCT FEATURES

Advantage:

- (1) Excellent sound absorption performance: 25mm melamine foam is similar to 50mm 32kg/M³ glass wool in terms of sound absorption performance.
- (2) It can be processed into any shape of sound absorber, and its workability and construction environment are much better than those of traditional foam products.
- (3) It is made of high-temperature foaming with unique chemical stability. Its sanitation can meet the requirements of food hygiene. It has resistance to chemical reactions and can also be used for household cleaning.
- (4) It is a green product with environmental protection, is non-toxic and is formaldehyde-free.
- (5) Compared with other sound-absorbing cotton boards, it has better sound absorption performance, no dust pollution and no harm to the human body.

Sound absorption coefficient: (Tested by authority laboratory) sound coefficient can be adjusted according to installation structure

Frequency (HZ)	125	250	500	1000	2000	4000
50 mm 50 mm Sound Absorption Coefficient α	0.23	0.45	0.88	0.86	0.84	0.70



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