

Perforated Acoustic Panel Series

Standard Perforated Acoustic Panel

Material consumption: refers to acoustic design

Structure: Perforated on high density base materials, with black acoustic tissue behind.

Finish: melamine, natural veneer, fireproof board, painting, metal surface, veneer, leather surface, etc.

Model: E-shape hole: E32/12 ; E32/10 ; E16/8 ; E16/6 ; E16/4

V-shape hole: V32/12 ; V32/10 ; V16/8 ; V16/6 ; V16/4

Installation accessories: light steel keel, 12mm plywood batten, sound-absorbing cotton and steel wire, special keel etc.

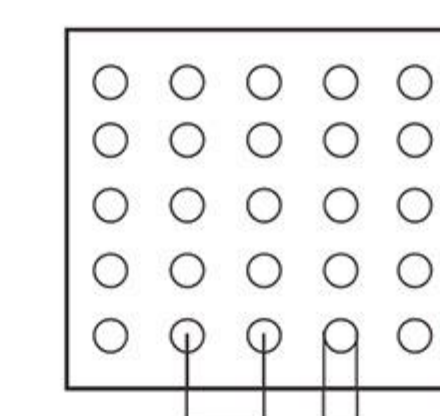
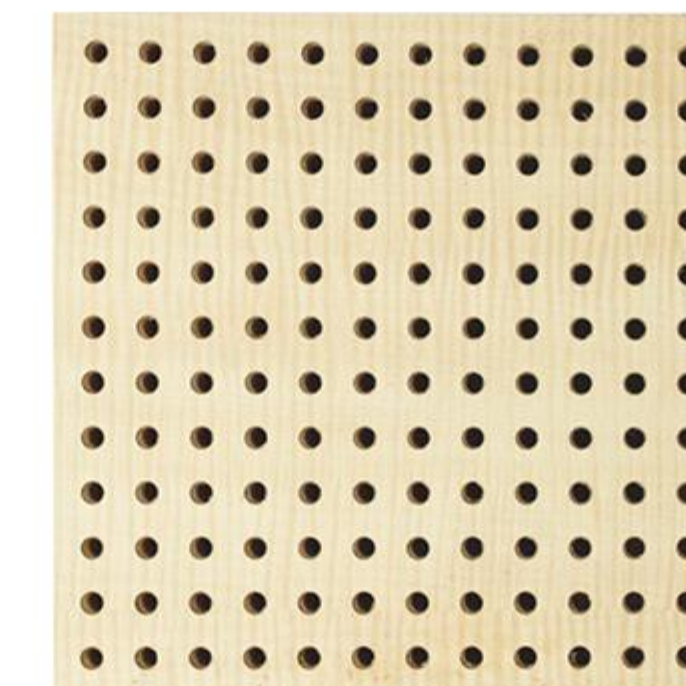
Advantages: Perforated Acoustic Panel is a kind of resonant sound absorption material directly perforated on density board. Perforated Acoustic Panel has strong selection on sound absorption spectrum. it has good sound absorption performance on medium and low frequency. The sound absorption effect of medium and high frequency can be improved with acoustic cotton filled behind the panel cavity. Perforated hole diameter and distance can be adjusted according to customer requirements.

Regular size: 605mm/1210mm *605mm *12mm/15mm/18mm

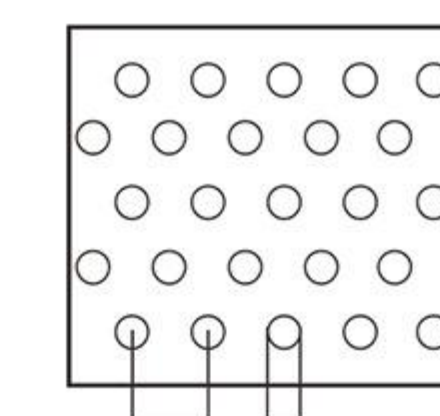
Specifications: 600mm/1200mm/2400mm *600mm/1200mm *12mm/15mm/18mm

or customize other specifications(tolerance: width ± 1 mm, length ± 2 mm, thickness ± 0.2 mm)

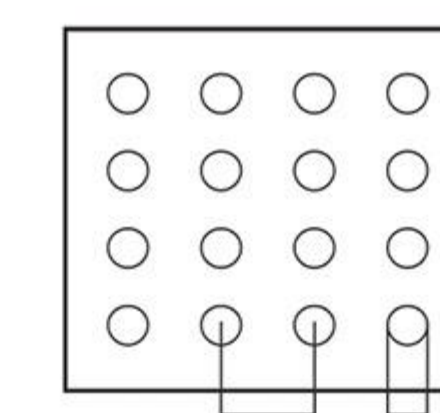
Application: Gymnasium, multi-functionhall, concert hall, Grand Theatre, conference room, lecture hall, family cinema, hotel and so on, which require high field of acoustics.



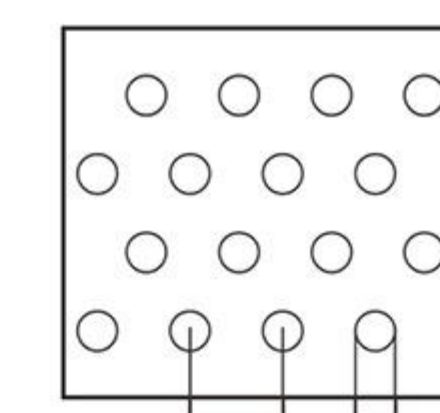
Type: E-shape hole E16/6
Perforated rate:12.5%



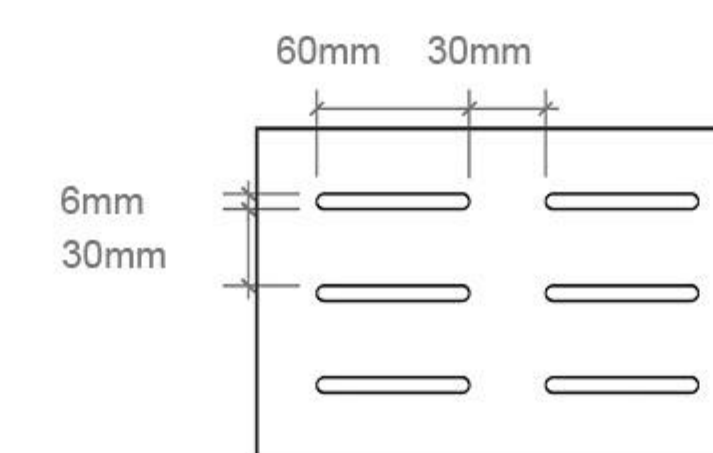
Type: V-shape hole V16/6
Perforation rate:12%



Type: E-shape hole E32/6
Perforated rate:4.2%



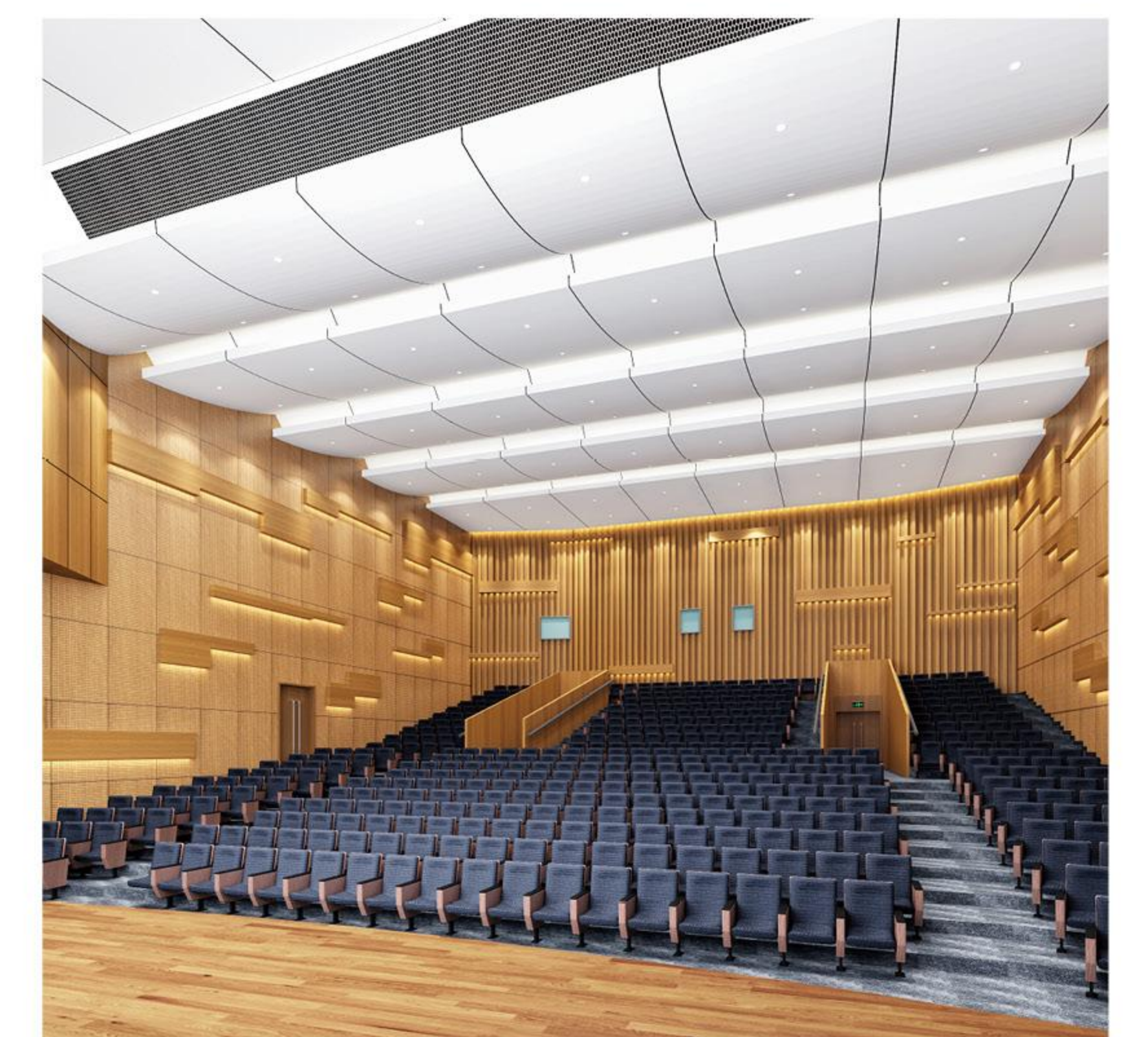
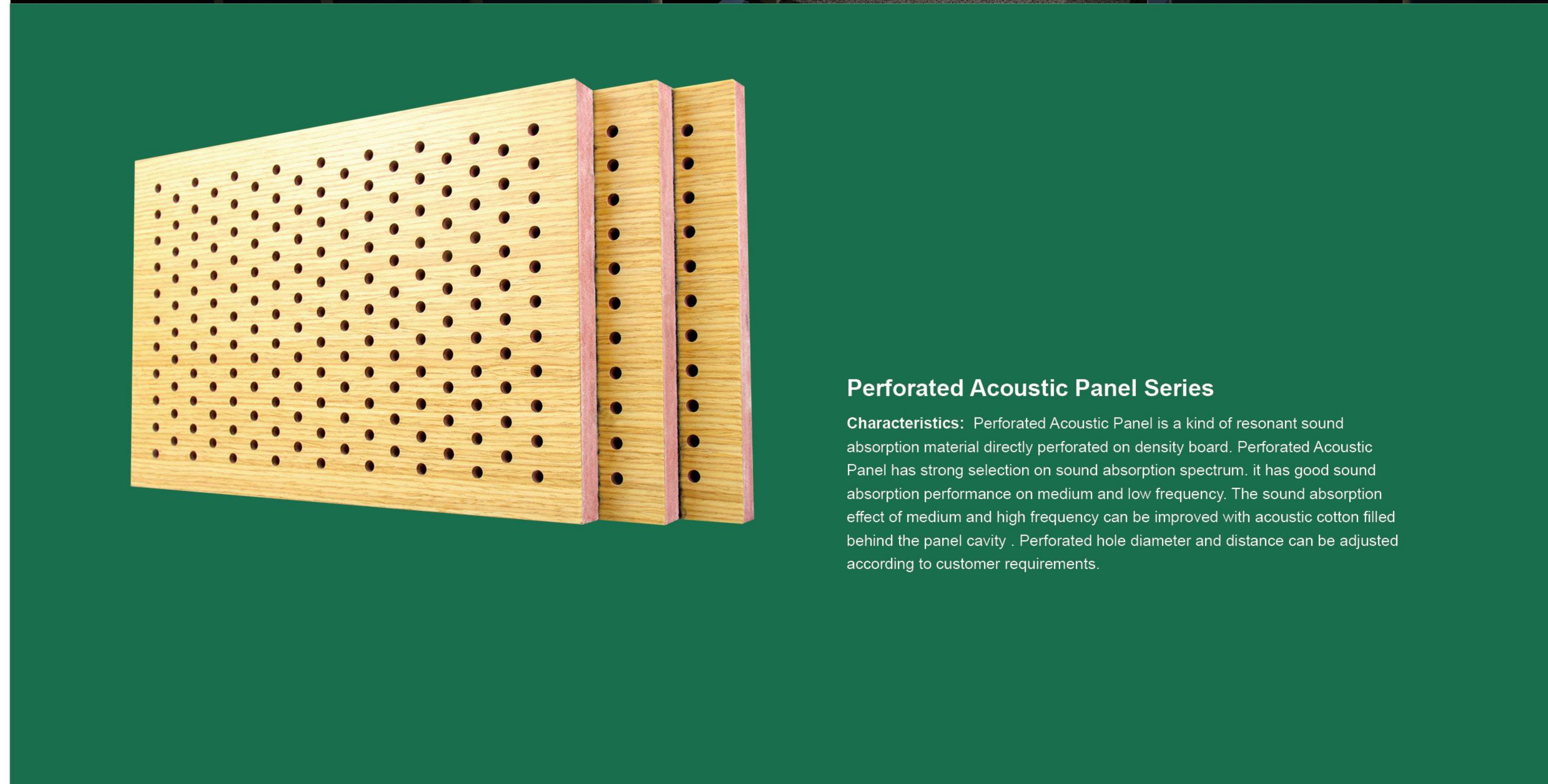
Type: V-shape hole V32/6
Perforation rate:4%



Type: U-shape hole E60-30-6
Perforation rate:9.2%

Perforated Acoustic Panel Series

Characteristics: Perforated Acoustic Panel is a kind of resonant sound absorption material directly perforated on density board. Perforated Acoustic Panel has strong selection on sound absorption spectrum. it has good sound absorption performance on medium and low frequency. The sound absorption effect of medium and high frequency can be improved with acoustic cotton filled behind the panel cavity. Perforated hole diameter and distance can be adjusted according to customer requirements.



Micro-perforated Acoustic Panel

Micro Perforated Acoustic Panel is a composite structure with a diameter of 0.5-3mm perforated surface sheet and a diameter of 8-12mm perforated base sheet at the back, which forms a micro-porous resonant sound-absorbing material.

Advantages: Use high-density board as base material, due to its micro-hole structure, it can form a low-medium frequency band, which has a better sound-receiving effect, at the same time, the surface is no-hole feeling, easy clean, beautiful and generous. The highest fire proof can be Grade A.

Applicable place : widely used in various public spaces, theaters, gymnasiums, conference rooms, Banquet Hall and other acoustic places with high decoration requirement;

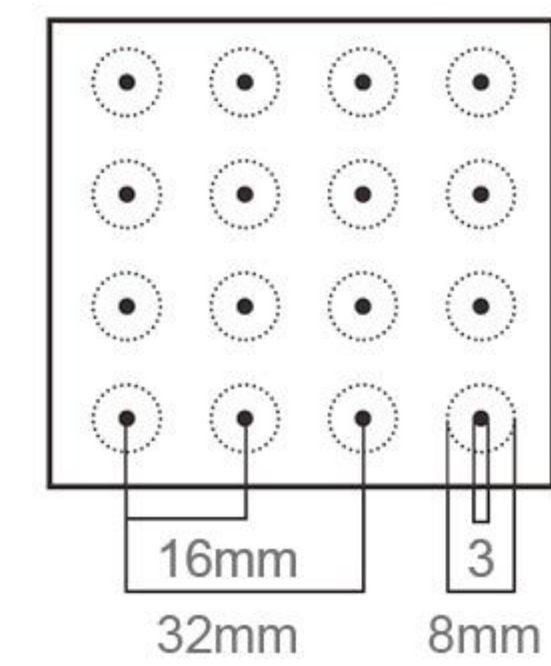
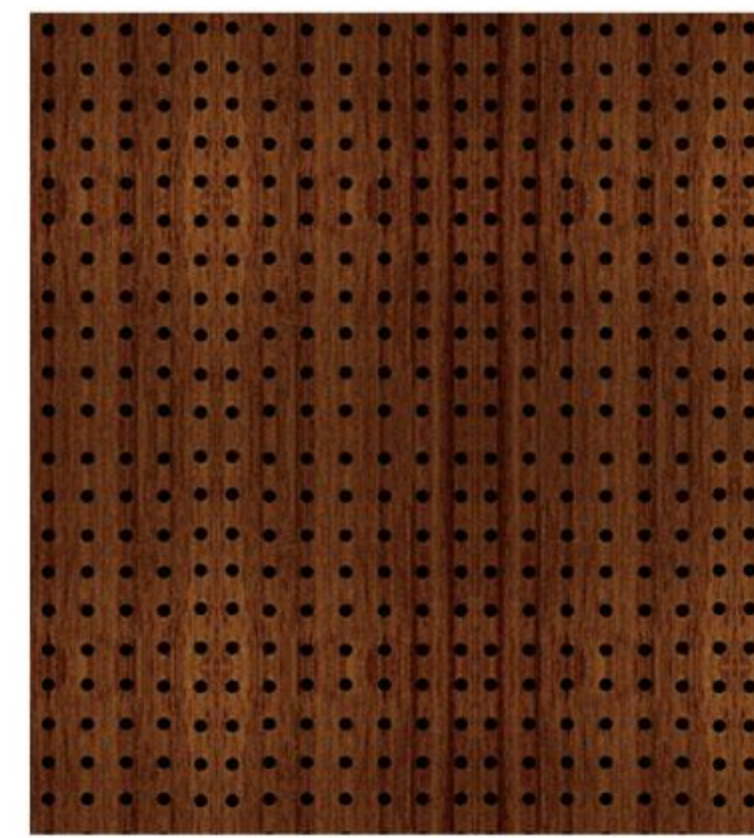
Installation accessories: light steel keel, 12mm plywood batten, sound-absorbing cotton and steel wire, special keel etc;

Material consumption: refer to acoustic design ;

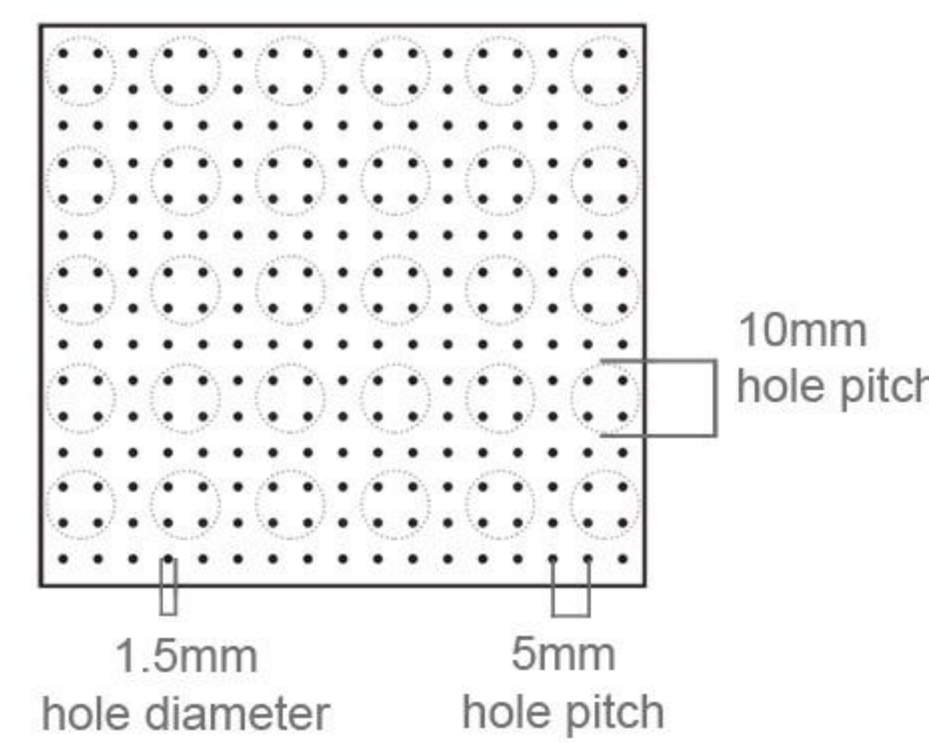
Finish: melamine, natural veneer, fireproof board, painting, metal surface, veneer, leather surface, etc.

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

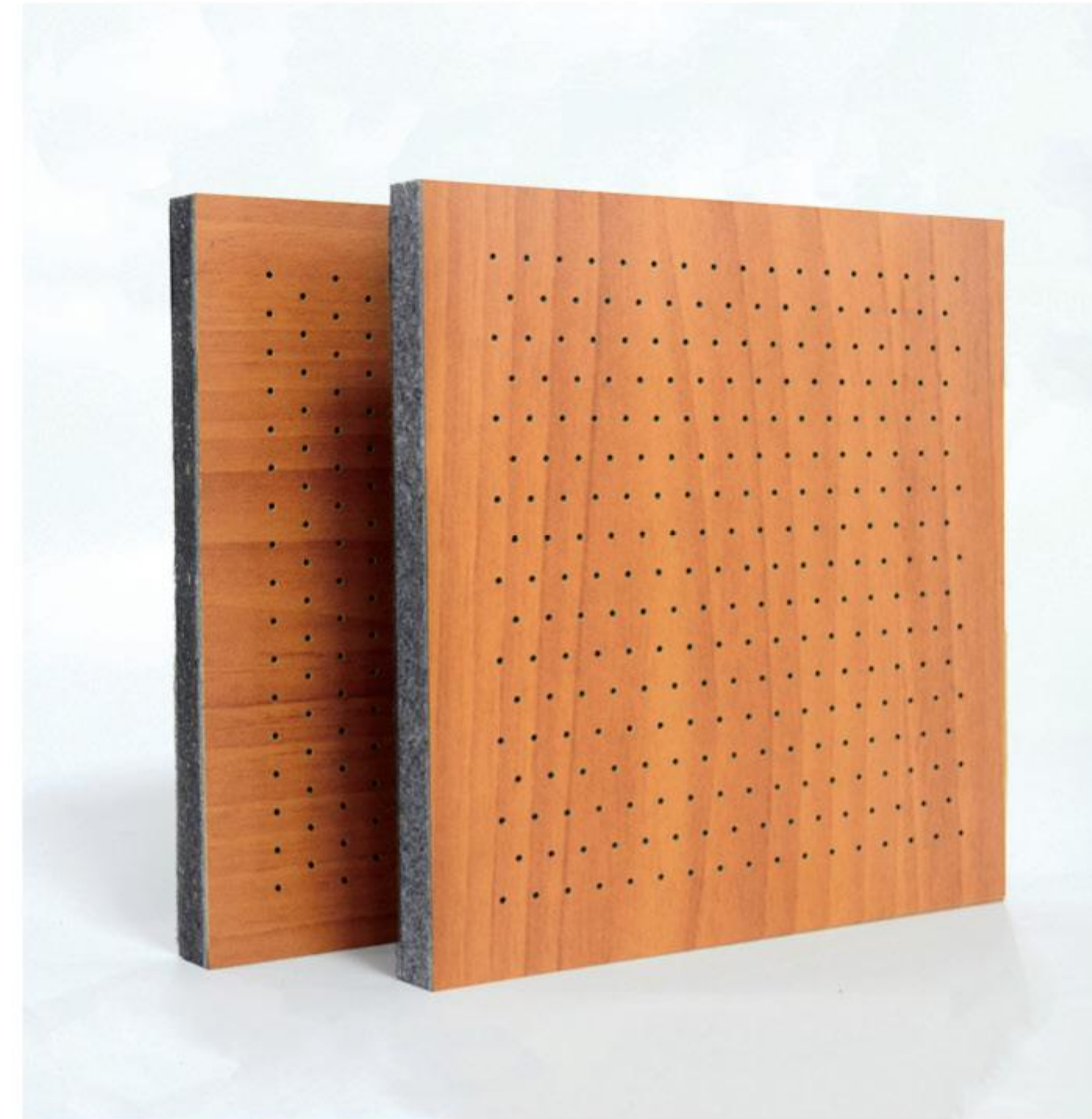
Frequency	125	250	500	1000	2000	4000	Remark
Sound absorption coefficient α	0.33	0.73	0.77	0.66	0.47	0.48	50mm Back Cavity +50mm 32K Glass Wool



Type:stepped E-shape hole E16/3-10
Perforation rate:2.8%



Type:E-shape hole E5/1.5
Perforation rate:7.0%



Installation of Perforated Acoustic Panel

Installation:

- Alignment: according to the installation drawings, and according to the actual size of the site, determine the keel laying space, according to the space with Ink Bucket Bullet Line;
- Laying the main keel: according to the drawings to determine the distance between the light steel keel, and according to the position of the ink line, with expansion bolts will be fixed to the vertical light steel keel wall;
- Laying auxiliary keel: determine the distance between auxiliary keels according to the drawing (according to the distance of 400mm) , and fix the 50C-type auxiliary keel on the vertical light steel keel with the wall plate nail; Laying special keel: i-shaped keel fixed on the splint, keel distance according to the need for red glass perforated sound absorption board size.
- Place the sound-absorbing cotton: 1200 * 600 * 50mm sound-absorbing cotton placed between the keel;
- Install sound-absorbing board: fix the red glass perforated sound-absorbing board to 50C sub-keel with metal buckles, and leave 1 ~ 2mm expansion joint between the board and the board to reduce the influence of the hot expansion and cold contraction of the board.

Color



TGTV-2501
White Oak

TGTV-2502
Yellow Oak

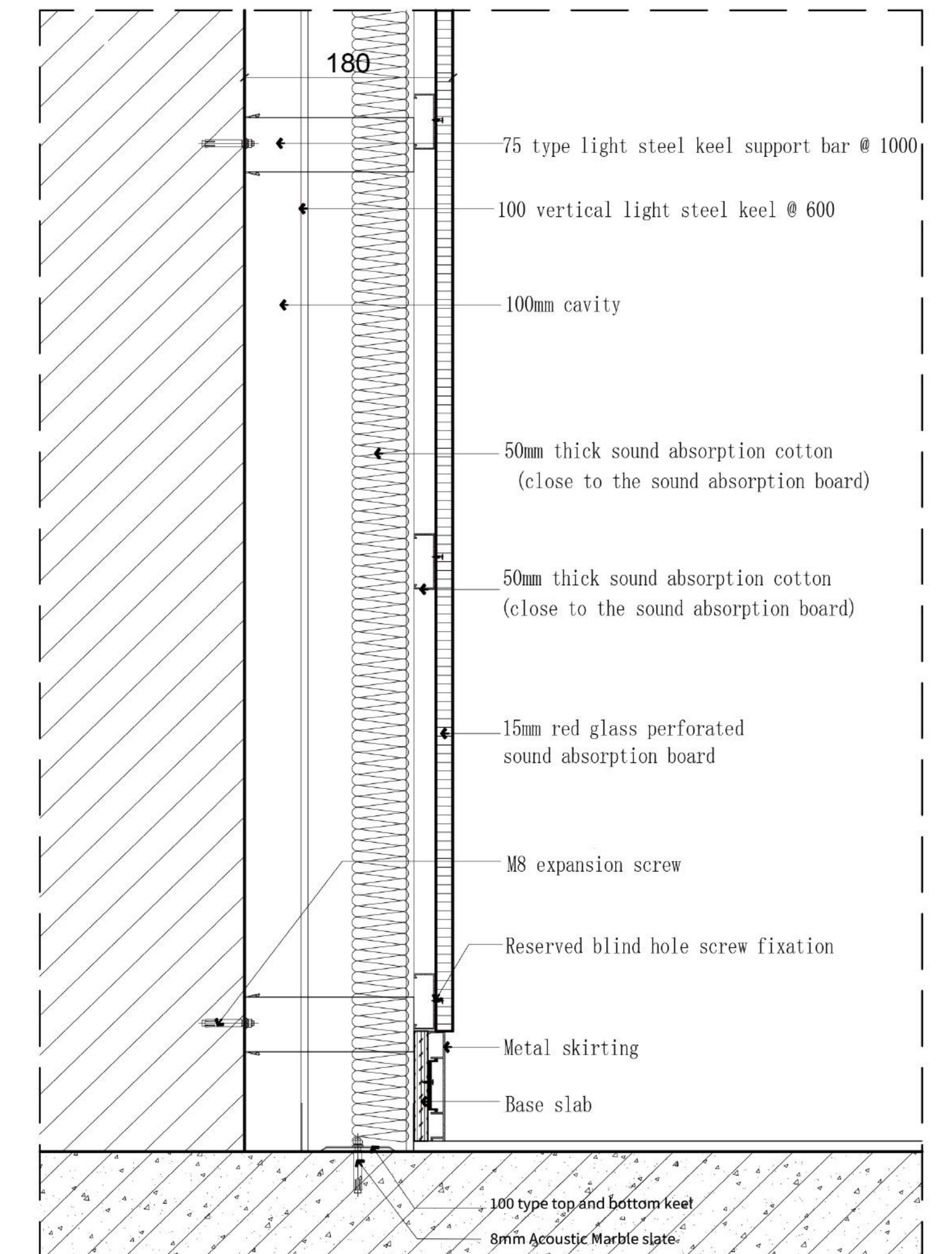


TGTV-2503
Walnut

TGTV-2504
Black Oak



TGTV-2505
Smoked Oak



Vertical section of perforated sound absorption panel wall installation



Perforated Acoustic Panel Cases

