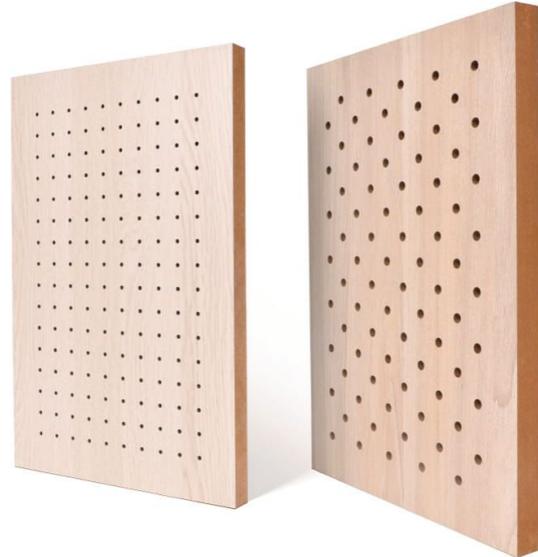


PERFORATED ACOUSTIC PANEL PA SERIES

The majority middle and low frequency sound absorption and noise reduction materials



PRODUCT INTRODUCTION

The structure of hole perforation in front and back basing on scientific calculation and acoustic principle. Wooden perforated acoustic panel has high sound absorption performance in low and middle frequency. It has various finish colors and materials choice to meet customer's diversified requests for acoustic and decoration and provide safety promise for environment protection and fire-resistant.

SPECIFICATIONS

Name

Perforated Acoustic Panel

Size

W 600/1200mm*L 600/1200/2400mm*T 12/15/18mm, other customized

Model

PPAE16/6/15, E16/8/15, V32/6/15, E16/3-10/15, E12/6/15, E24/8/15, other customized model

Base Materials

A grade MGO board/Red fire-resistant MDF/Standard MDF/Black HDF/Pine eco-friendly MDF/other customized

Finish

Veneer/Melamine/HPL/PU Painting

Back

Black Fire-resistant Sound Absorbing Fleece / Soundtex Sound Absorbing Fleece

Fire Performance

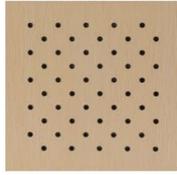
Fire-resistant panels can reach to class A under ASTM-E84 1 under BS476 part 7 standard

Eco Performance

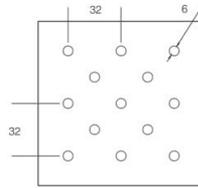
All materials meet the national and international environmental protection standard E1/E0

ACOUSTIC PARAMETERS

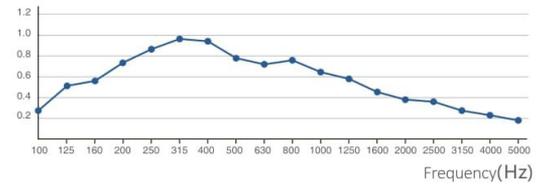
APAV32/6/15



Open area: 6%

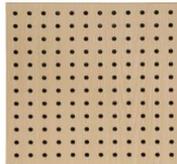


Sound absorption coefficient

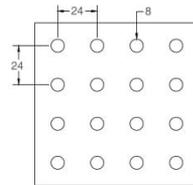


Frequency	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Sound absorption coefficient	0.28	0.53	0.57	0.76	0.86	0.98	0.95	0.78	0.75	0.77	0.64	0.58	0.46	0.38	0.36	0.28	0.23	0.18

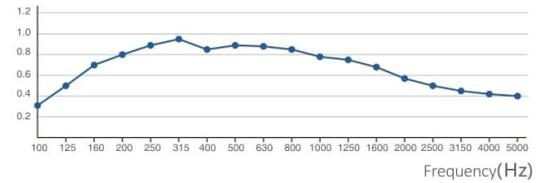
APAE24/8/15



Open area: 9%



Sound absorption coefficient

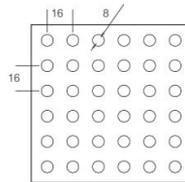


Frequency	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Sound absorption coefficient	0.31	0.50	0.70	0.80	0.89	0.95	0.85	0.89	0.88	0.85	0.78	0.75	0.68	0.57	0.50	0.45	0.42	0.40

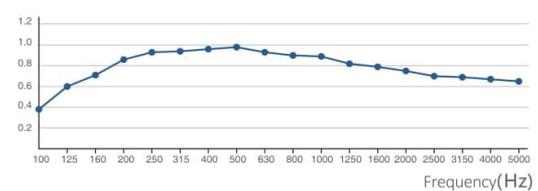
APAE16/8/15



Open area: 20%

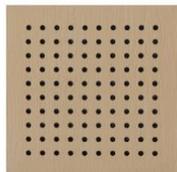


Sound absorption coefficient

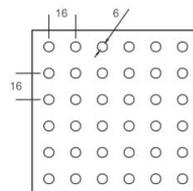


Frequency	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Sound absorption coefficient	0.38	0.60	0.71	0.86	0.93	0.94	0.96	0.98	0.93	0.90	0.89	0.82	0.79	0.75	0.70	0.69	0.67	0.65

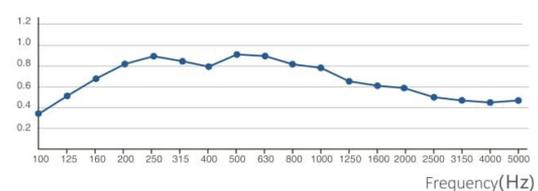
APAE16/6/15



Open area: 11%

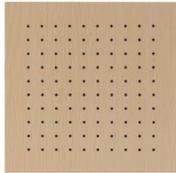


Sound absorption coefficient

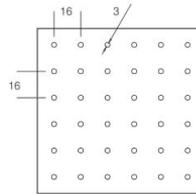


Frequency	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Sound absorption coefficient	0.35	0.51	0.68	0.82	0.90	0.85	0.80	0.92	0.90	0.82	0.79	0.66	0.61	0.59	0.50	0.47	0.45	0.47

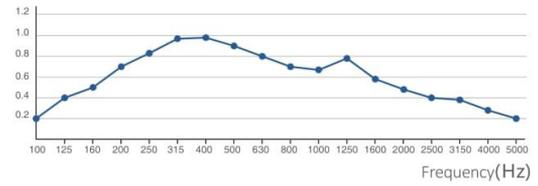
APAE16/3-10/15



Open area: 3%

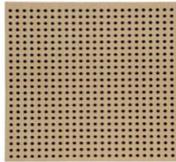


Sound absorption coefficient

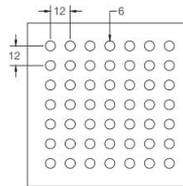


Frequency	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Sound absorption coefficient	0.20	0.40	0.50	0.70	0.83	0.97	0.98	0.90	0.80	0.70	0.67	0.78	0.58	0.48	0.40	0.38	0.28	0.20

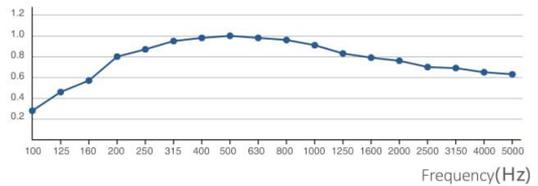
APAE12/6/15



Open area: 20%



Sound absorption coefficient



Frequency	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Sound absorption coefficient	0.29	0.46	0.57	0.80	0.87	0.95	0.98	1.00	0.98	0.96	0.91	0.83	0.79	0.76	0.70	0.69	0.65	0.63

BASE MATERIAL CATEGORY



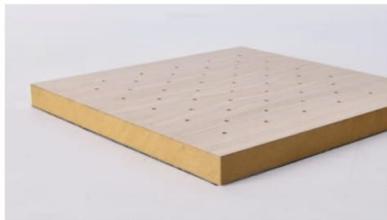
A grade MGO board



Red fire-resistant MDF



Black HDF



Pine eco-friendly MDF



Standard MDF

FINISHES

Natural Veneer



AWY-NV01S
White Oak Straight Grain



AWY-NV02M
White Oak Mountain Grain



AWY-NV04M
Maple Mountain Grain



AWY-NV06M
Walnut Mountain Grain



AWY-NV07M
Cherry Mountain Grain



AWY-NV08M
Ash Crown (wire-brushed)



AWY-NV09M
Ash Crown (wire-brushed, dyeing)



AWY-NV12
Carbonized Bamboo (vertical)



AWY-NV14
Eucalyptus



AWY-NV18
Figured Maple (glossy)

Engineered Veneer



AWY-EV01S
Ash Crown



AWY-EV02S
Whitewash White Oak



AWY-EV04S
White Oak B



AWY-EV05M
White Oak C



AWY-EV12M
White Maple B



AWY-EV15M
Cherry B



AWY-EV18M
Walnut C



AWY-EV20S
Chinese Ash



AWY-EV21
Silver Pear A



AWY-EV29S
Teak B

* Due to the limited layout, please refer to the wood veneer, melamine and HPL color chart for more finishes.

Melamine



AWY-01
European maple



AWY-02
Classic white oak



AWY-03
Natural gray oak



AWY-07
Silver line



AWY-08
Noble walnut



AWY-10
Elegant walnut



AWY-H070
Beech



AWY-H080
Maple



AWY-H160
Cherry



AWY-H208
Ash tree



AWY-H267
Oak



AWY-H557
Osmanthus

HPL



A0756
Natural Maple



A7012
Amber Maple



A9281
Ash Riftwood



A9005
Fineline



A0860
Blond Afromosia



A8843
Natural Ash



A9348
Subtropical Light Oak



A0870
Dawn Cherry



A0874
Hazelnut Cherry

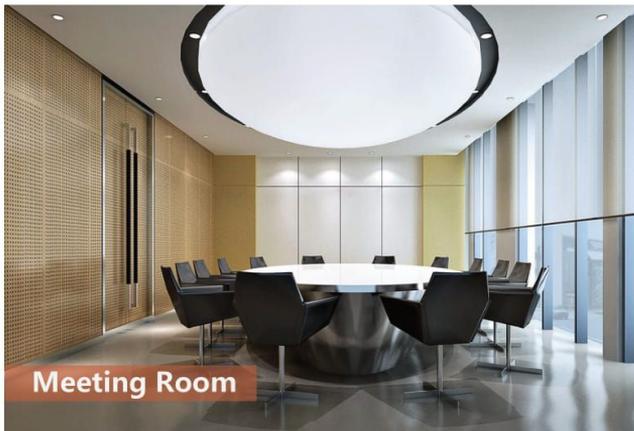


A9222
Grayed Maple

* Due to the limited layout, please refer to the wood veneer, melamine and HPL color chart for more finishes.

APPLICATION

Multi-function hall, opera house, conference room, cinema, auditorium, hotel, TV station, concert hall, piano room, gymnasium, villa or places with strict acoustic requirements in home life.





WALL INSTALLATION

WOOD BATTENS INSTALLATION SYSTEM



1. Fix the wood battens to level the wall (spacing at 400–600mm).



2. Fill in fiberglass acoustic wool between wood battens.



3. Fix the perforated acoustic panel on the wood battens with gun nails, and insert the wooden slat into the side groove.



4. Repeat until the installation is completed, the joints between the panels are generally recommended to be 3–5mm, and the nailing position is on the side of the panel.

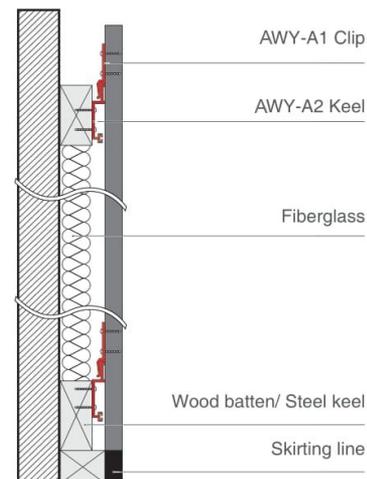


5. Installation completion effect.

HANGING KEEL SYSTEM INSTALLATION



AWY-A2 Hanging installation sketch



AWY-A1 Clip



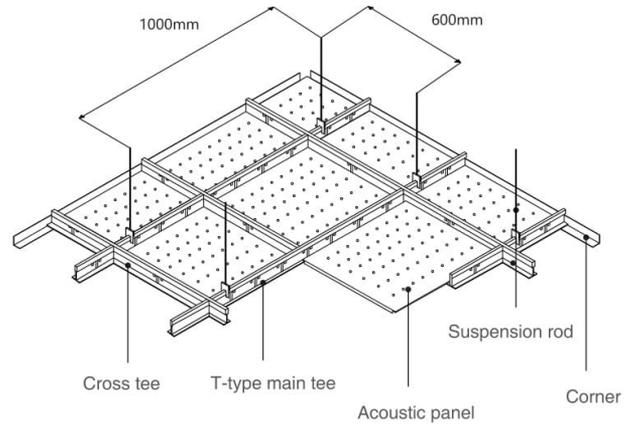
AWY-A2 Keel

SUSPENDED CEILING SYSTEM

Tegular Ceiling SC-T



The tegular ceiling system can increase the layering, and the four sides of the acoustic ceiling panels are processed. The T- keel is trapped between the boards, creating a different visual effect with beautiful lines. Each acoustic ceiling panels can be installed and disassembled independently.



1. L hanger fixed with suspension rod and T-type main tee, then clip in cross tee and fix corner.



2. Installation of exposed ceiling.



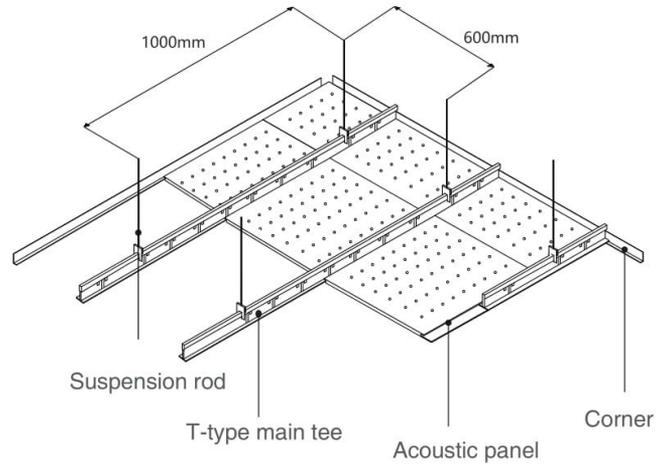
3. Installation completion effect and details.

Concealed Ceiling SC-C



Concealed T grid

The concealed ceiling system is novel in design, the four sides of the acoustic ceiling panels are finely treated, the joint between the panels has a small chamfer, and the keel is invisible, which forms the overall visual effect and gives people a comfortable feeling. The ceiling keel is easy to install and disassemble.



1. L hanger fixed with suspension rod and T-type main tee, then fix corner.



2. Installation of concealed ceiling.



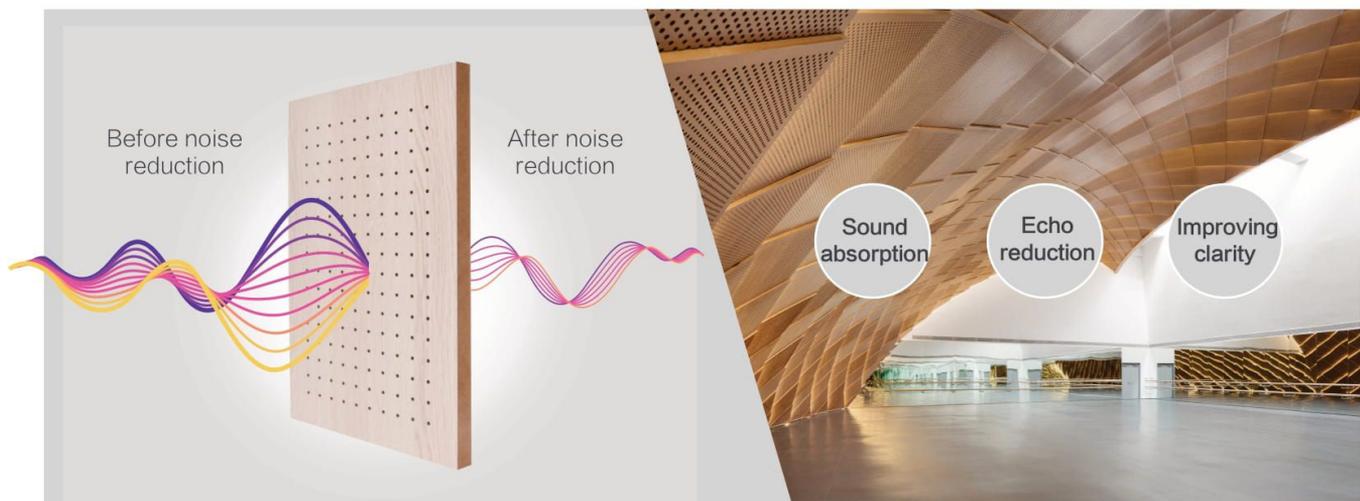
3. Installation completion effect and details.

1 Large-scale direct factory, nearly 20 years experience in acoustic materials producing

Leading in production equipment, technology and processing craft.



2 Excellent sound absorption and noise reduction performance, especially in middle and low frequencies.



3 Flexibly matched

A variety of finishes and substrates are flexibly matched, which is suitable for various types of spaces.



4 Mature edge treatment process

Perfectly collocation with various wall and ceiling installation systems.

5 Environmental protection test report

Environmental protection performance reaches to E1 or E0 class, which has no harm to human health.

