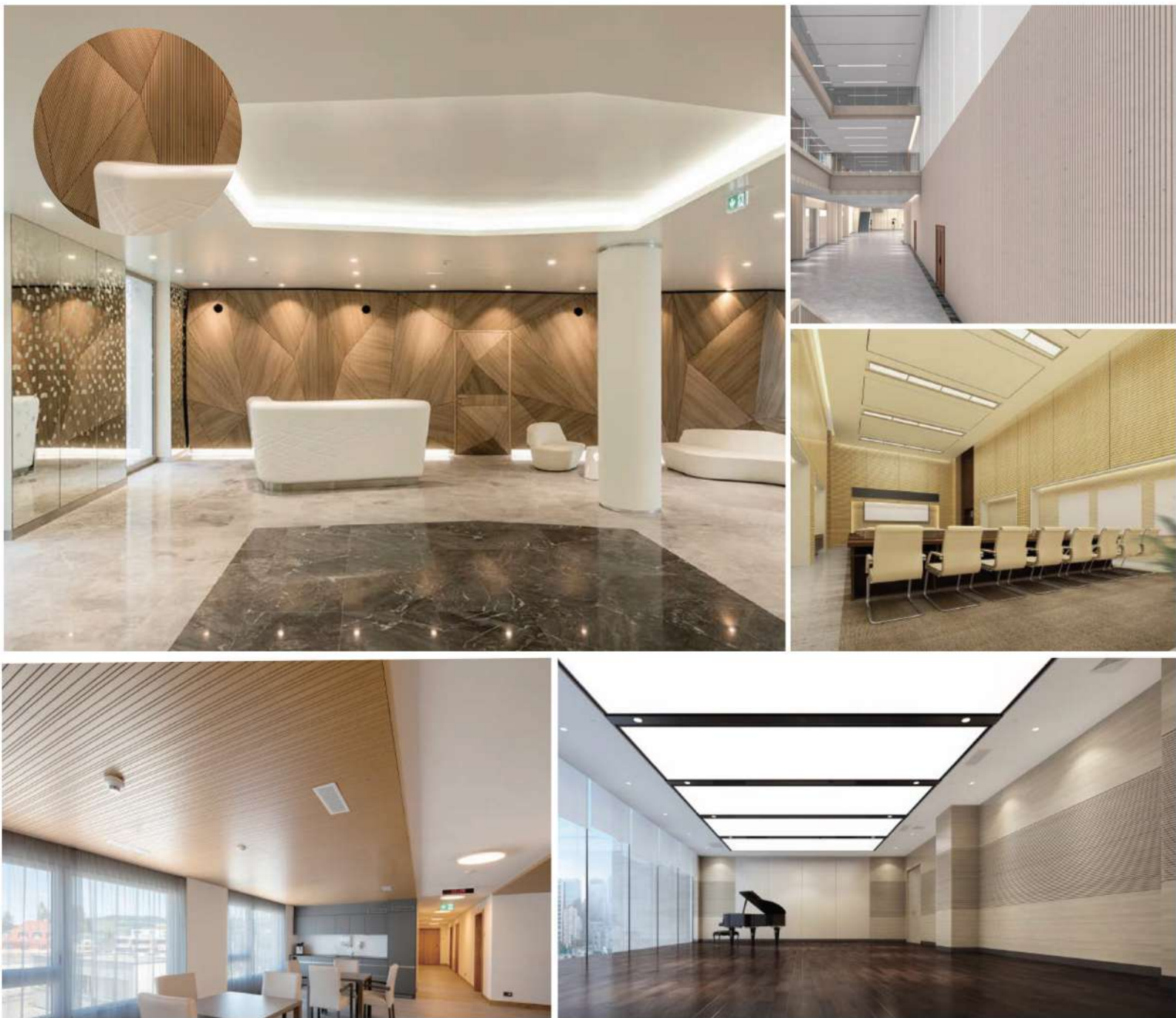


PERFORATED ACOUSTIC PANEL



Perforated Acoustic Panel offers a solution to one of the hardest sound to control; low frequencies.

The perforation on this panel will act as a helmholtz resonator that is designed to absorb low frequency sound with a relatively narrow bandwidth. This panel will tone down the low frequency sound that is often hard to control.

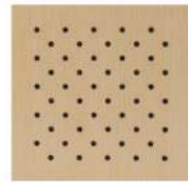
The middle to high frequencies will still be absorbed, albeit smaller. The diameter of the perforation will determine amount of sound absorption and which frequency bandwidth is affected.

The wood grain and diverse finishing options for this panel will provide a warmth and relaxing interior atmosphere.

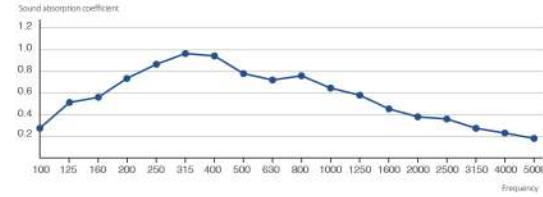
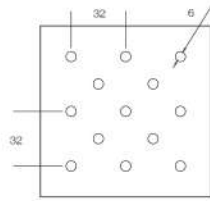
Name	Perforated Acoustic Panel
Composition	Base Material - Finishing - Acoustic Backing
Base Material	Standard / Eco-friendly / Fire-resistant / Moisture-proof / A Grade Non-inflammable / Non-formaldehyde Solid Wood or other customized base material
Finishing	Veneer / Melamine / HPL Fire-proof / PU Painting
Acoustic Backing	Black Fire-resistant Sound Absorbing Fleece / Soundtex Sound Absorbing Fleece
Model	PAE16/6/15, E16/8/15, V32/6/15, E16/3-10/15, E12/6/15, E24/8/15, E8/1-12/15, E5/1-12/15, V4/0.7-12/15, V2.2/0.5-12/15, other customized model
Standard Dimension	W 600mm /1200mm L 600/1200/2400mm T 12/15/18mm
Fire Resistant	Class A - ASTM-E84, Class 1 - BS476 part 7 standard

PERFORATION STANDARD MODELS

PAV32/6/15

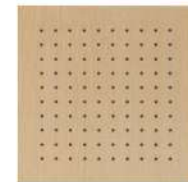


Open area: 6%

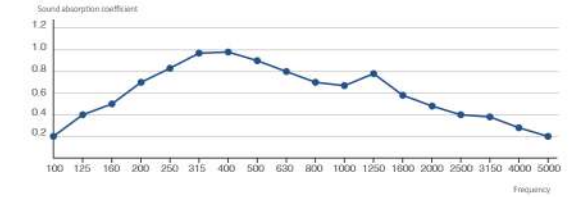
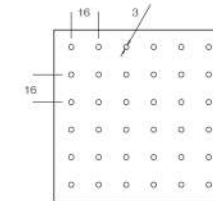


Frequency	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Sound absorption coefficient	0.28	0.53	0.57	0.76	0.86	0.98	0.95	0.78	0.75	0.77	0.64	0.58	0.46	0.38	0.36	0.28	0.23	0.18

PAE16/3-10/15

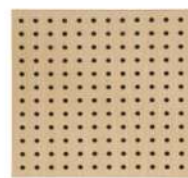


Open area: 3%

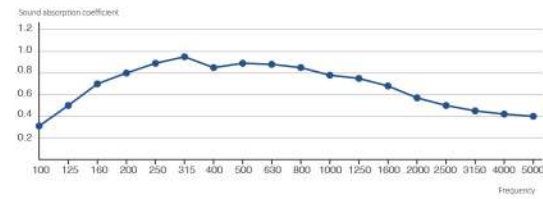
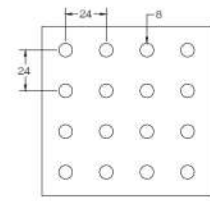


Frequency	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Sound absorption coefficient	0.20	0.40	0.50	0.70	0.83	0.97	0.98	0.90	0.80	0.70	0.67	0.78	0.58	0.48	0.40	0.38	0.28	0.20

PAE24/8/15

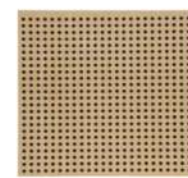


Open area: 9%

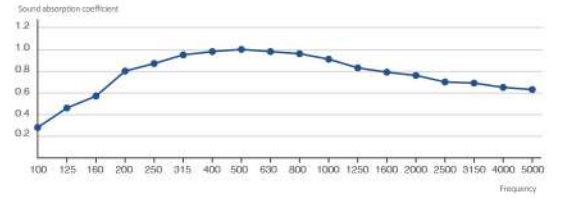
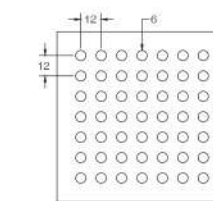


Frequency	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Sound absorption coefficient	0.31	0.50	0.70	0.80	0.89	0.95	0.85	0.89	0.88	0.85	0.78	0.75	0.68	0.57	0.50	0.45	0.42	0.40

PAE12/6/15

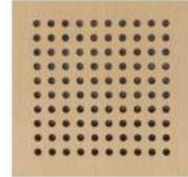


Open area: 20%

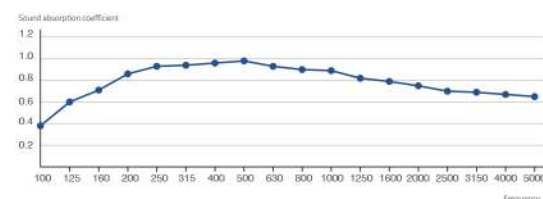
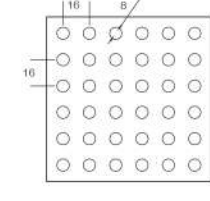


Frequency	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Sound absorption coefficient	0.29	0.46	0.57	0.80	0.87	0.95	0.98	1.00	0.98	0.96	0.91	0.83	0.79	0.76	0.70	0.69	0.65	0.63

PAE16/8/15



Open area: 20%

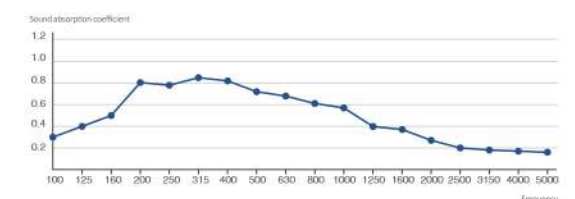
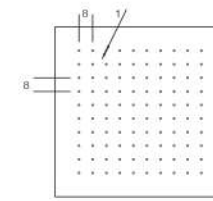


Frequency	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Sound absorption coefficient	0.38	0.60	0.71	0.86	0.93	0.94	0.96	0.98	0.93	0.90	0.89	0.82	0.79	0.75	0.70	0.69	0.67	0.65

PAE8/1-12/15

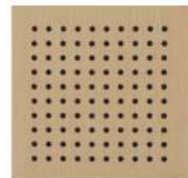


Open area: 2%

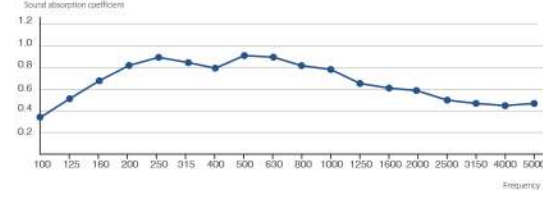
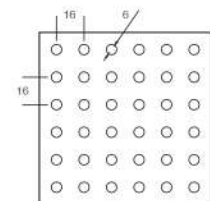


Frequency	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Sound absorption coefficient	0.30	0.40	0.50	0.80	0.78	0.85	0.82	0.72	0.68	0.61	0.57	0.40	0.37	0.27	0.20	0.18	0.17	0.16

PAE16/6/15



Open area: 11%

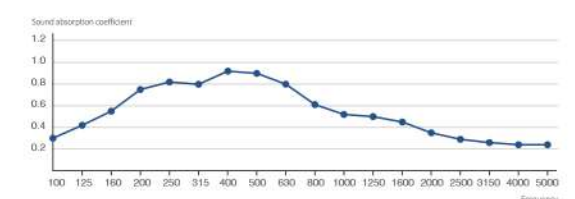
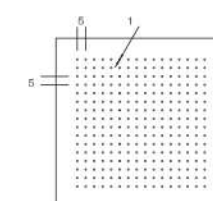


Frequency	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Sound absorption coefficient	0.35	0.51	0.68	0.82	0.90	0.85	0.80	0.92	0.90	0.82	0.79	0.66	0.61	0.59	0.50	0.47	0.45	0.47

PAE5/1-12/15



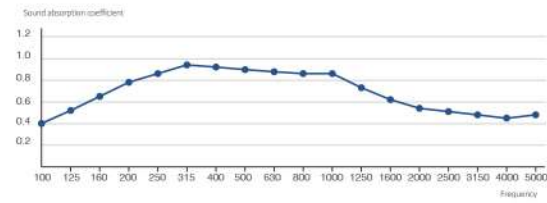
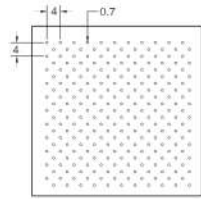
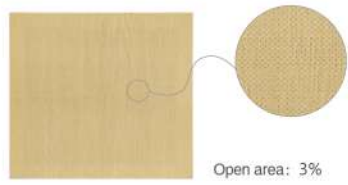
Open area: 3.2%



Frequency	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Sound absorption coefficient	0.30	0.42	0.55	0.75	0.82	0.80	0.92	0.90	0.80	0.61	0.52	0.50	0.45	0.35	0.30	0.26	0.24	0.24

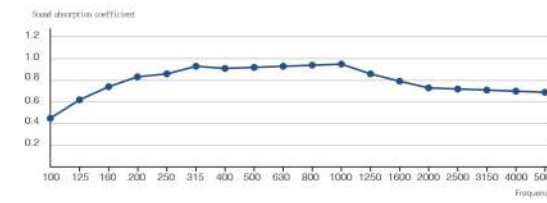
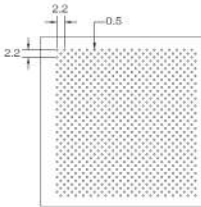
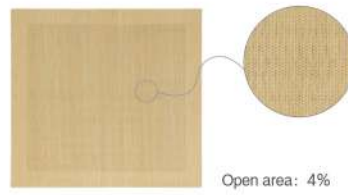
Other custom dimension is available upon request
Panel with a specific acoustic performance is available upon request

PAV4/0.7-12/15



Frequency	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Sound absorption coefficient	0.40	0.52	0.65	0.78	0.86	0.94	0.92	0.89	0.88	0.86	0.86	0.73	0.62	0.54	0.51	0.48	0.45	0.48

PAV2.2/0.5-12/15



Frequency	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
Sound absorption coefficient	0.45	0.62	0.75	0.83	0.86	0.93	0.91	0.92	0.93	0.94	0.95	0.86	0.78	0.73	0.72	0.71	0.70	0.69

