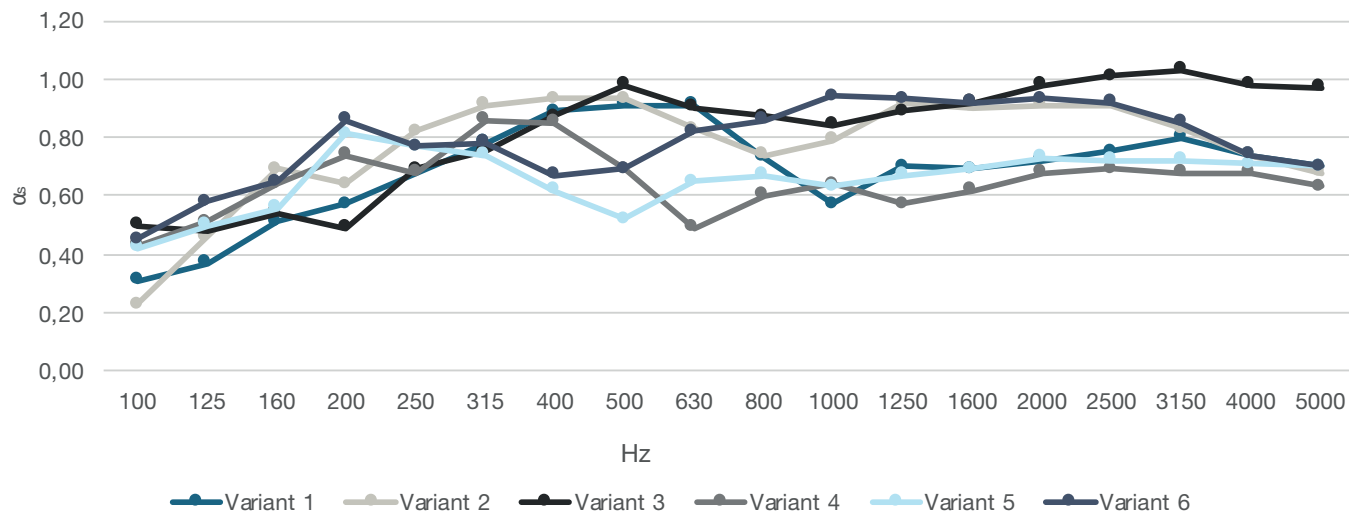


Sound Absorption

DAMPA® Tiles

Variable suspension heights and inlay | perforation AL-15



Frequency Hz	Variant 1 Absorption α_s	Variant 2 Absorption α_s	Variant 3 Absorption α_s	Variant 4 Absorption α_s	Variant 5 Absorption α_s	Variant 6 Absorption α_s
100	0.31	0.23	0.50	0.43	0.42	0.45
125	0.37	0.46	0.48	0.51	0.50	0.58
160	0.51	0.69	0.54	0.64	0.56	0.65
200	0.57	0.64	0.49	0.74	0.81	0.86
250	0.68	0.82	0.69	0.68	0.77	0.77
315	0.78	0.91	0.75	0.86	0.74	0.78
400	0.89	0.93	0.87	0.85	0.62	0.67
500	0.91	0.93	0.98	0.69	0.52	0.69
630	0.91	0.83	0.90	0.49	0.65	0.82
800	0.73	0.74	0.87	0.60	0.67	0.86
1000	0.57	0.79	0.84	0.64	0.63	0.94
1250	0.70	0.92	0.89	0.57	0.67	0.93
1600	0.69	0.90	0.92	0.62	0.69	0.92
2000	0.72	0.91	0.98	0.68	0.73	0.93
2500	0.75	0.91	1.01	0.69	0.72	0.92
3150	0.80	0.83	1.03	0.68	0.72	0.85
4000	0.74	0.74	0.98	0.68	0.71	0.74
5000	0.70	0.68	0.97	0.63	0.70	0.70
NRC	0.72	0.85	0.87	0.67	0.65	0.85
α_w	0.70	0.85	0.90	0.65	0.65	0.85
Sound absorption class	C	B	A	C	C	B

The stated data are classified in accordance with EN ISO 11654:1997.

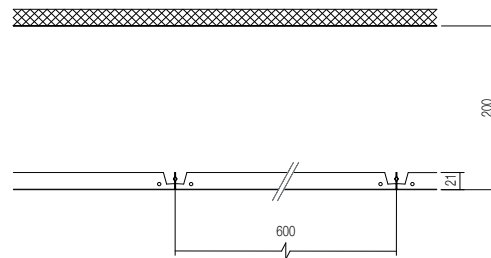
Variant 1

Perforation: AL-15

Open area ceiling: 20.5%

Inlay: 0.2 mm acoustic felt

Suspension height: 200 mm



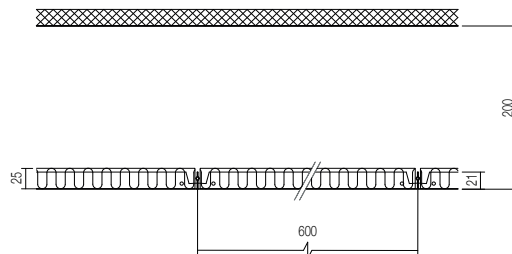
Variant 2

Perforation: AL-15

Open area ceiling: 20.5%

Inlay: 0.2 mm acoustic felt and 25 mm wool in sleeves, density 32 kg/m³

Suspension height: 200 mm



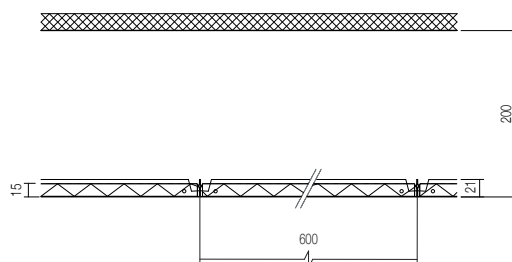
Variant 3

Perforation: AL-15

Open area ceiling: 20.5%

Inlay: 0.2 mm acoustic felt and 15 mm stone wool insulation board, density 90 kg/m³

Suspension height: 200 mm



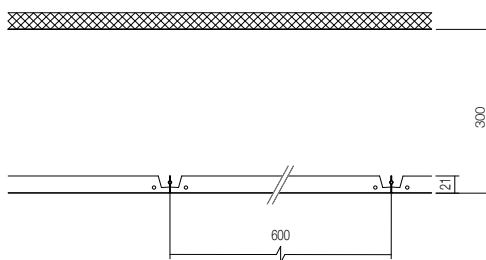
Variant 4

Perforation: AL-15

Open area ceiling: 20.5%

Inlay: 0.2 mm acoustic felt

Suspension height: 300 mm



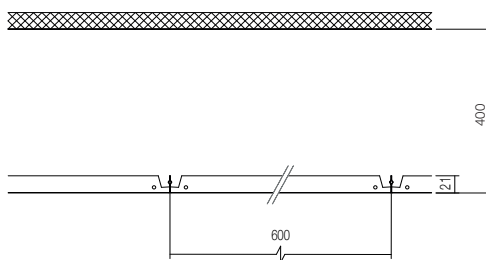
Variant 5

Perforation: AL-15

Open area ceiling: 20.5%

Inlay: 0.2 mm acoustic felt

Suspension height: 400 mm



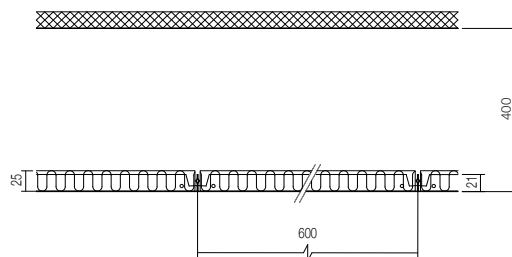
Variant 5

Perforation: AL-15

Open area ceiling: 20.5%

Inlay: 0.2 mm acoustic felt and 25 mm wool in sleeves, density 32 kg/m³

Suspension height: 400 mm



Perforation: AL-15

