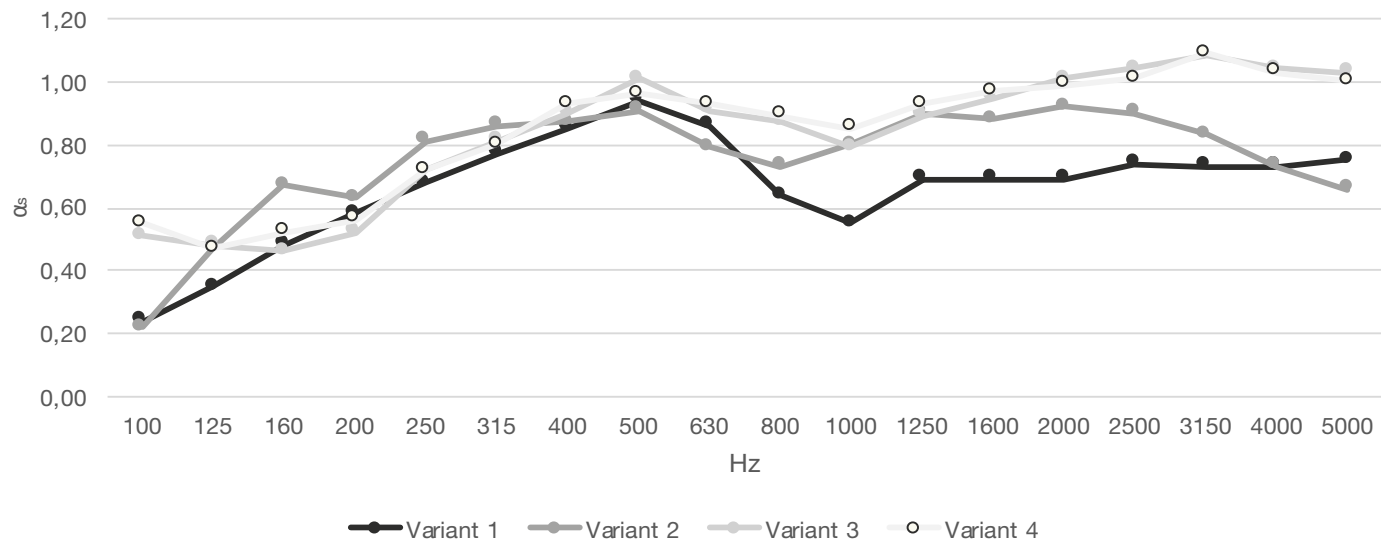


Sound Absorption

DAMPA® Tiles

Suspension height 200 mm | perforation ST-15



Frequency Hz	Variant 1 Absorption α_s	Variant 2 Absorption α_s	Variant 3 Absorption α_s	Variant 4 Absorption α_s
100	0.24	0.22	0.51	0.55
125	0.35	0.47	0.48	0.47
160	0.48	0.67	0.46	0.52
200	0.58	0.63	0.52	0.56
250	0.68	0.81	0.72	0.72
315	0.77	0.86	0.81	0.80
400	0.85	0.87	0.90	0.93
500	0.94	0.91	1.01	0.96
630	0.86	0.79	0.91	0.93
800	0.64	0.73	0.87	0.89
1000	0.55	0.80	0.79	0.85
1250	0.69	0.90	0.89	0.93
1600	0.69	0.88	0.95	0.97
2000	0.69	0.92	1.01	0.99
2500	0.74	0.90	1.04	1.01
3150	0.73	0.83	1.08	1.09
4000	0.73	0.73	1.04	1.03
5000	0.75	0.66	1.03	1.00
NRC	0.7	0.85	0.88	0.88
α_w	0.7	0.85	0.90	0.95
Sound absorption class	C	B	A	A

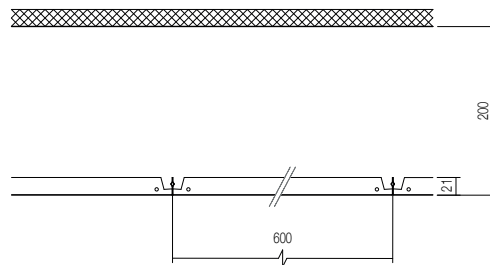
Variant 1

Perforation: ST-15

Open area ceiling: 20.5%

Inlay: 0.2 mm acoustic felt

Suspension height: 200 mm



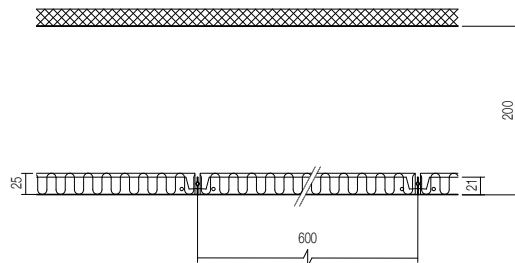
Variant 2

Perforation: ST-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



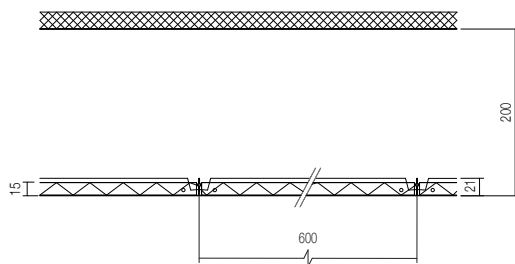
Variant 3

Perforation: ST-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: ST-15

Open area ceiling: 20.5%

Inlay: 0.2 mm acoustic felt and 20 mm stone wool insulation board, density 90 kg/m³

Suspension height: 200 mm

