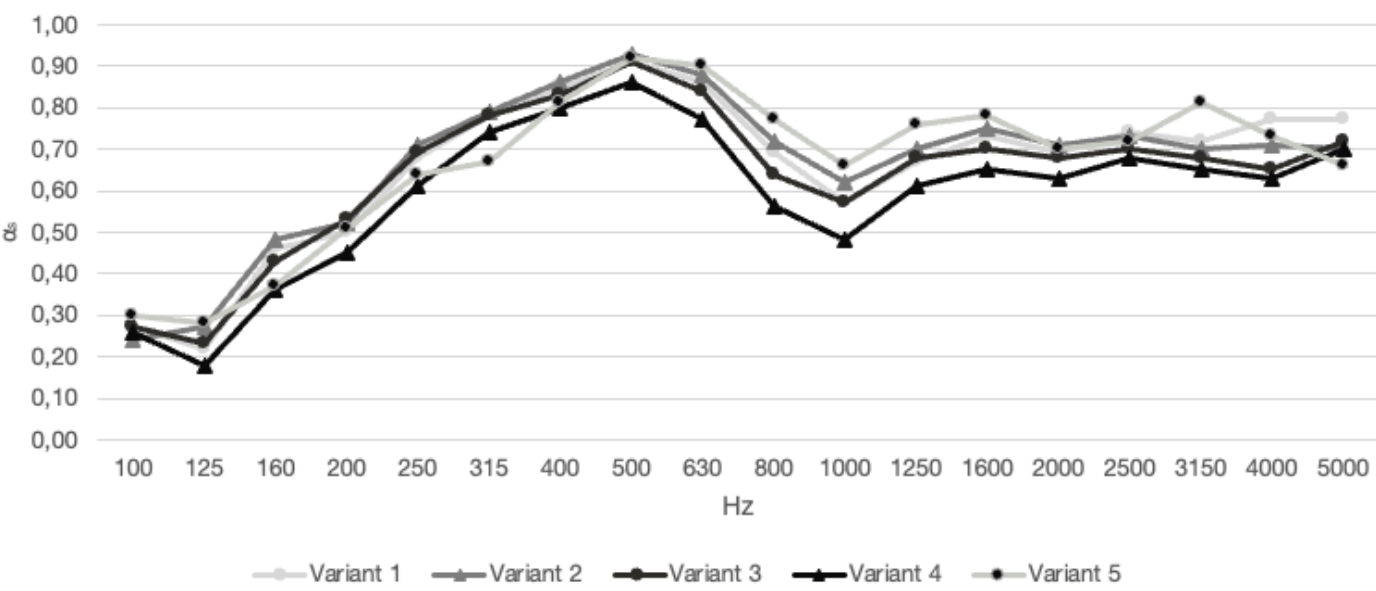


Sound Absorption

DAMPA® Tiles

Suspension height 200 mm | variable perforations



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
100	0.27	0.24	0.27	0.26	0.30
125	0.22	0.27	0.23	0.18	0.28
160	0.46	0.48	0.43	0.36	0.37
200	0.50	0.52	0.53	0.45	0.51
250	0.68	0.71	0.69	0.61	0.64
315	0.78	0.79	0.78	0.74	0.67
400	0.85	0.86	0.83	0.80	0.81
500	0.91	0.93	0.91	0.86	0.92
630	0.86	0.88	0.84	0.77	0.90
800	0.69	0.72	0.64	0.56	0.77
1000	0.57	0.62	0.57	0.48	0.66
1250	0.67	0.70	0.68	0.61	0.76
1600	0.73	0.75	0.70	0.65	0.78
2000	0.69	0.71	0.68	0.63	0.70
2500	0.74	0.73	0.70	0.68	0.72
3150	0.72	0.70	0.68	0.65	0.81
4000	0.77	0.71	0.65	0.63	0.73
5000	0.77	0.70	0.72	0.70	0.66
NRC	0.7	0.75	0.7	0.65	0.75
α_w	0.7	0.75	0.7	0.65	0.80
Sound absorption class	C	C	C	C	B

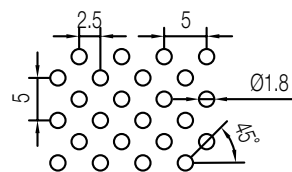
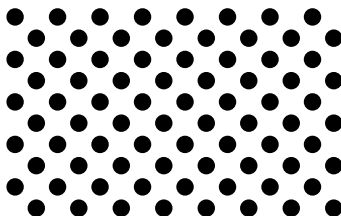
Variant 1

Perforation: ST-15

Open area ceiling: 20,5%

Inlay: 0.2 mm acoustic felt

Suspension height: 200 mm



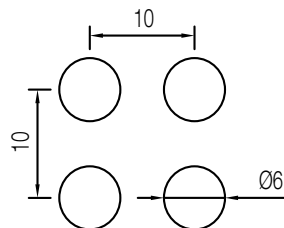
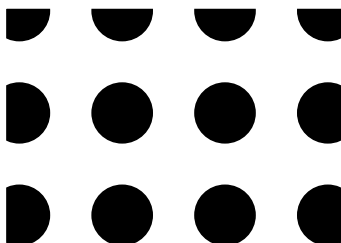
Variant 2

Perforation: ST-23

Open area ceiling: 28,3%

Inlay: 0.2 mm acoustic felt

Suspension height: 200 mm



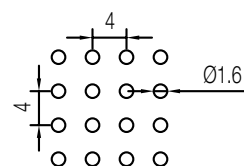
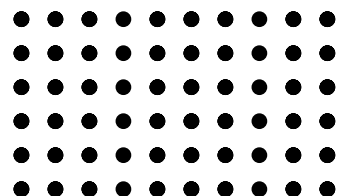
Variant 3

Perforation: ST-707

Open area ceiling: 12,6%

Inlay: 0.2 mm acoustic felt

Suspension height: 200 mm



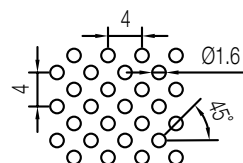
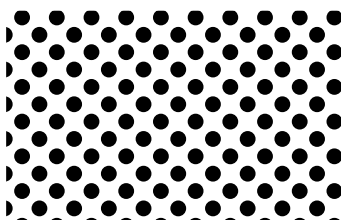
Variant 4

Perforation: ST-709

Open area ceiling: 25,1%

Inlay: 0.2 mm acoustic felt

Suspension height: 200 mm



Variant 5

Perforation: ST-35

Open area ceiling: 17,6%

Inlay: 0.2 mm acoustic felt

Suspension height: 200 mm

