

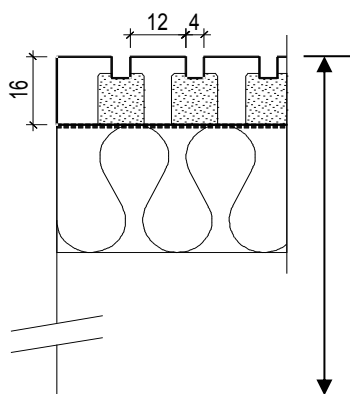
Acoustical Absorption Coefficient according to ISO 354

Object: TOPAKUSTIK® wall- and ceiling panelling
 Type TOPAKUSTIK® 12/4 M 15%



Research: Laboratory: EMPA
 Test area: 12 m²
 Echo space volume: 211 m³

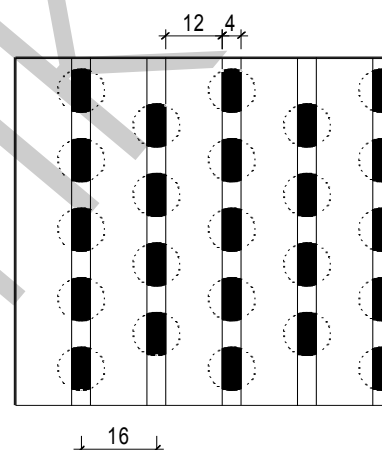
07.06.1991
 Relative atmospheric humidity: 52%
 Temperature: 21 degrees



TOPAKUSTIK® 12/4 M
 Acoustic fleece

Mineral wool 30 mm
 40 kg/m³

Suspension heights:
246/96 mm
 Cavity 200/50 mm



Acoustical Absorption - Medium values

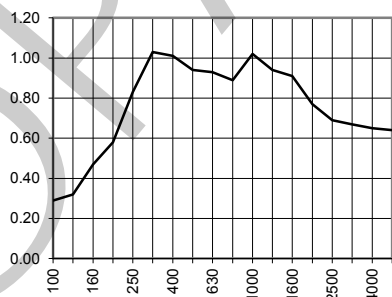
Low frequency range: (100-315 Hz): 0.59
 Medium frequency range: (400-1250 Hz): 0.96
 High frequency range: (1600-5000 Hz): 0.72

Acoustical Absorption - Medium values

Low frequency range: (100-315 Hz): 0.37
 Medium frequency range: (400-1250 Hz): 1.01
 High frequency range: (1600-5000 Hz): 0.71

Freq. [Hz]	Terz
100	0.29
125	0.32
160	0.47
200	0.58
250	0.83
315	1.03
400	1.01
500	0.94
630	0.93
800	0.89
1000	1.02
1250	0.94
1600	0.91
2000	0.77
2500	0.69
3150	0.67
4000	0.65
5000	0.64

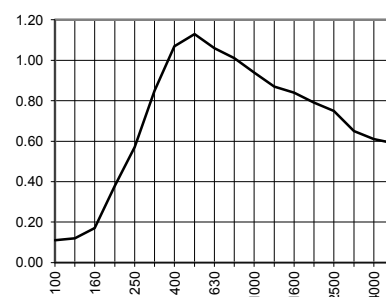
Suspension height 246 mm



EN B **alpha_w 0.80** **NRC 0.89**

Freq. [Hz]	Terz
100	0.11
125	0.12
160	0.17
200	0.38
250	0.57
315	0.85
400	1.07
500	1.13
630	1.06
800	1.01
1000	0.94
1250	0.87
1600	0.84
2000	0.79
2500	0.75
3150	0.65
4000	0.61
5000	0.59

Suspension height 96 mm



EN B **alpha_w 0.80 (M)** **NRC 0.86**