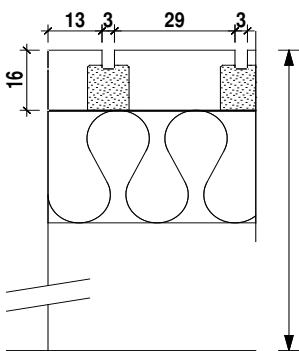


Acoustical Absorption Coefficient according to ISO 354

Object: TOPAKUSTIK® wall- and ceiling panelling
type TOPAKUSTIK® R 7.4%
RL3 = Plank with groove 3 mm

Research: Laboratory: Hochschule Luzern 05.04.2018
Test area: 12 m² Relative atmospheric humidity: 43.3/45.9%
Echo space volume: 210.3 m³ Temperature: 20.5/20.4° C

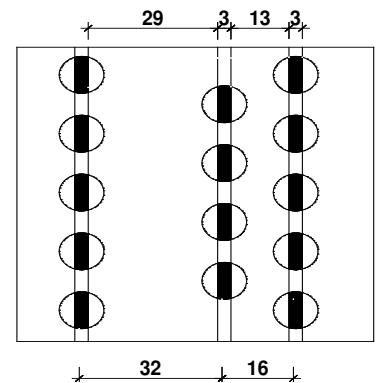


TOPAKUSTIK® RL3 M, 7.4 %

Acoustic fleece SP 60 F

Mineral wool 30 mm
60 kg / m³

Suspension heights:
226/56 mm
Cavity 170/10 mm



Acoustical Absorption - Medium values

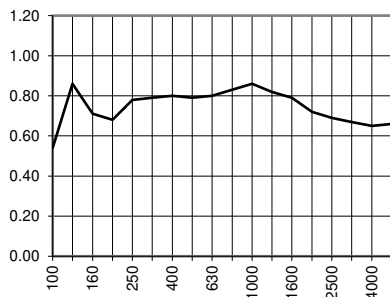
Low frequency range: (100-315 Hz): 0.73
Medium frequency range: (400-1250 Hz): 0.82
High frequency range: (1600-5000 Hz): 0.70

Acoustical Absorption - Medium values

Low frequency range: (100-315 Hz): 0.54
Medium frequency range: (400-1250 Hz): 0.88
High frequency range: (1600-5000 Hz): 0.67

Freq. [Hz]	Terz
100	0.54
125	0.86
160	0.71
200	0.68
250	0.78
315	0.79
400	0.80
500	0.79
630	0.80
800	0.83
1000	0.86
1250	0.82
1600	0.79
2000	0.72
2500	0.69
3150	0.67
4000	0.65
5000	0.66

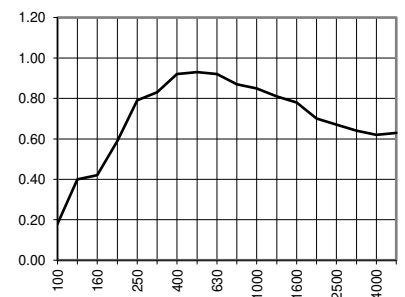
Suspension height 226 mm



a_w 0.79
EN B
NRC 0.81

Freq. [Hz]	Terz
100	0.18
125	0.40
160	0.42
200	0.59
250	0.79
315	0.83
400	0.92
500	0.93
630	0.92
800	0.87
1000	0.85
1250	0.81
1600	0.78
2000	0.70
2500	0.67
3150	0.64
4000	0.62
5000	0.63

Suspension height 56 mm



a_w 0.82
EN C
NRC 0.84