

Technical drawings.

Figure 01:

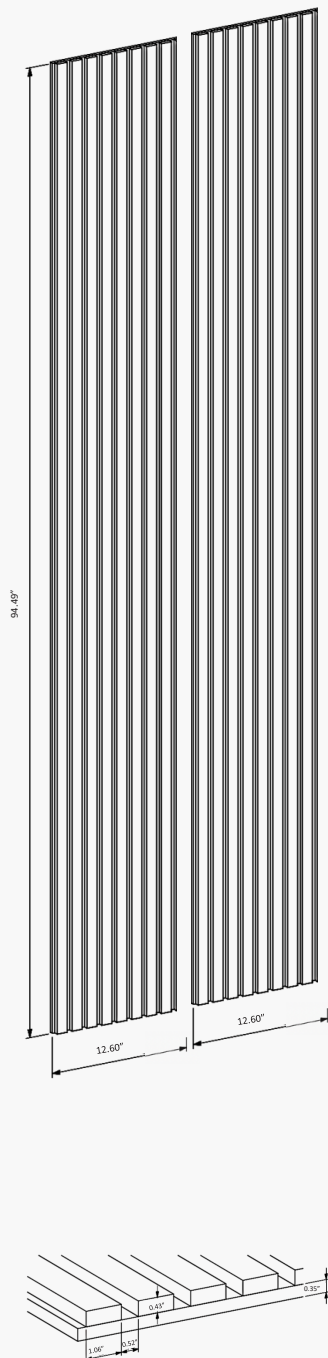


Figure 02:

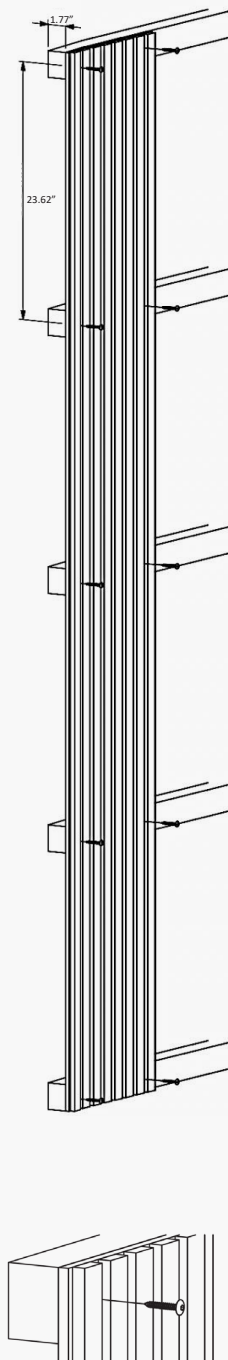


Figure 01 (Non-Batten Mounted) Sound Absorption:

Measurement of sound absorption coefficient acc. DS/EN ISO 354:2003.

The 11 panels were laid out flat on the concrete floor in the reverberation test room. Closed frame around edges.

Test Area: 15.84 m² Sab - Room volume 215 m³ - Room surface area 238 m³.

Freq. Hz	a _s
100	0.03
125	-0.01
160	0.01
200	0.05
250	0.09
315	0.11
400	0.15
500	0.24
630	0.34
800	0.44
1k	0.63
1.25k	0.81
1.6k	1.01
2k	1.09
2.5k	1.06
3.15k	0.96
4k	0.84
5k	0.72

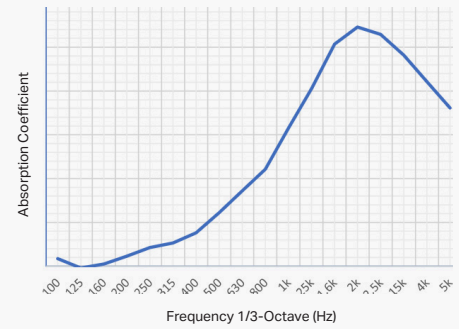


Figure 02 (Batten Mounted) Sound Absorption:

Measurement of sound absorption coefficient acc. DS/EN ISO 354:2003.

Mounting with batons: Spacing 2" behind panels. Closed frame around edges.

Test Area: 15.84 m² Sab - Room volume 215 m³ - Room surface area 238 m³

If a product like Rockwool insulation is installed in-between the batten, behind the panels this will achieve Class A sound absorption.

Freq. Hz	a _s
100	0.09
125	0.10
160	0.17
200	0.20
250	0.30
315	0.43
400	0.59
500	0.74
630	0.91
800	1.11
1k	1.09
1.25k	1.06
1.6k	0.96
2k	0.85
2.5k	0.75
3.15k	0.77
4k	0.85
5k	0.81

