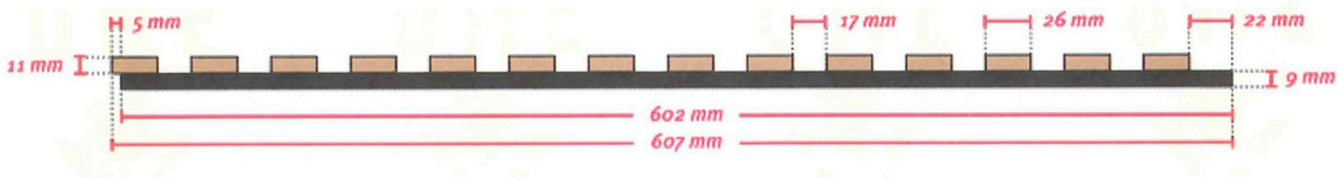
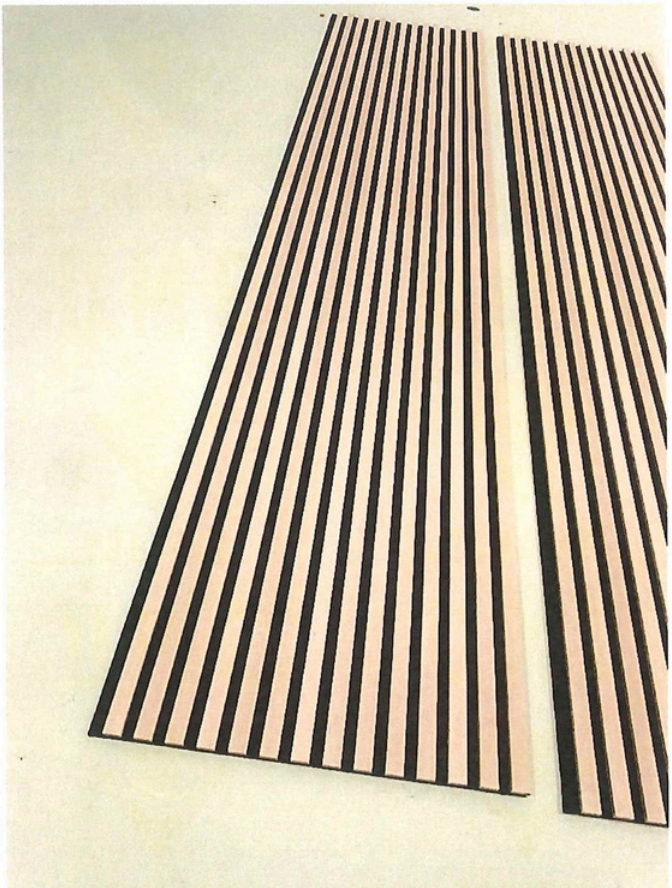


Figure 1. *Side cross-sectional drawing of the surface formed by Felt Acoustic Panels with Wooden Slots*

Drawing presented in Figure 1 was provided by the customer



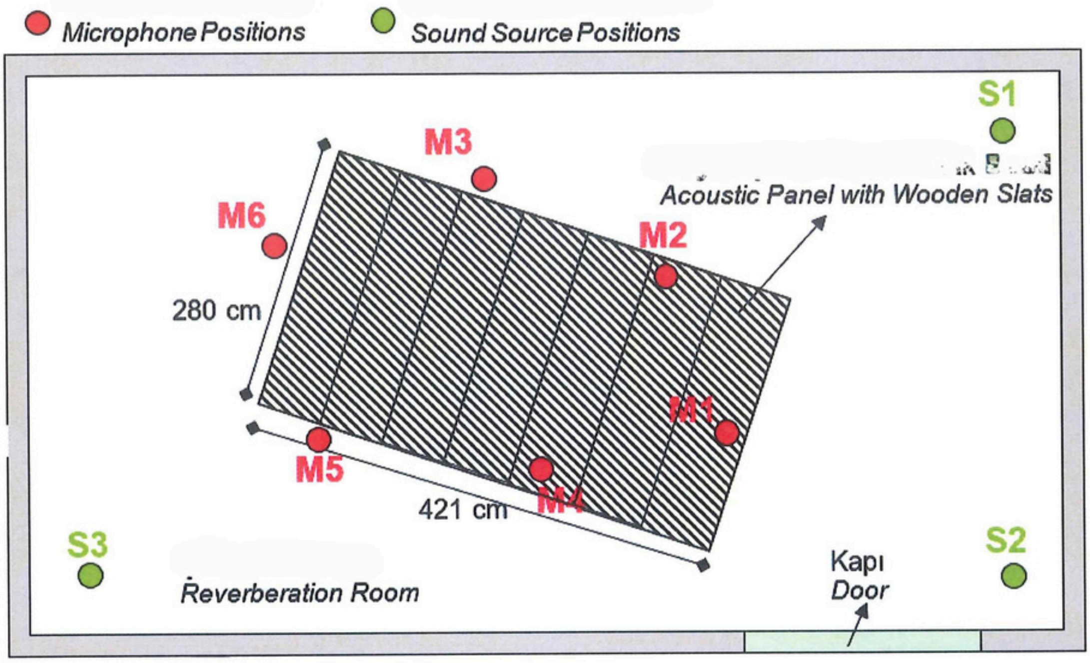


Figure 3. *Measurement surface formed by Felt Acoustic Panel with Wooden Slats, locations of microphones and sound sources in the Reverberation Room*

Figure 4. *The view of measurement surface formed by Felt Acoustic Panel with Wooden Slats, locations of microphones and sound sources in reverberation room*

Test Results

Measurement results are presented in Tables 1-3 and Figure 5.

Table 1. *Measured reverberation time values with and without measurement surface in the room and calculated values of sound absorption coefficient*

Frequency	*Reverberation Time*		*Sound Absorption Coefficient*
	Without measurement surface	*With measurement surface*	
[Hz]	**[s]**		**(α)**
100	4,07	4,09	0,00
125	6,01	5,99	0,00
160	7,96	7,12	0,05
200	7,16	6,88	0,02
250	7,84	6,86	0,07
315	7,54	6,39	0,09
400	7,91	5,97	0,15
500	8,27	5,74	0,19
630	8,80	5,20	0,28
800	8,18	4,19	0,42
1000	7,73	3,52	0,55
1250	6,82	2,85	0,73
1600	6,17	2,44	0,89
2000	5,42	2,11	1,00
2500	4,49	1,91	1,00
3150	3,45	1,72	1,00
4000	2,75	1,57	1,00
5000	2,28	1,47	0,90

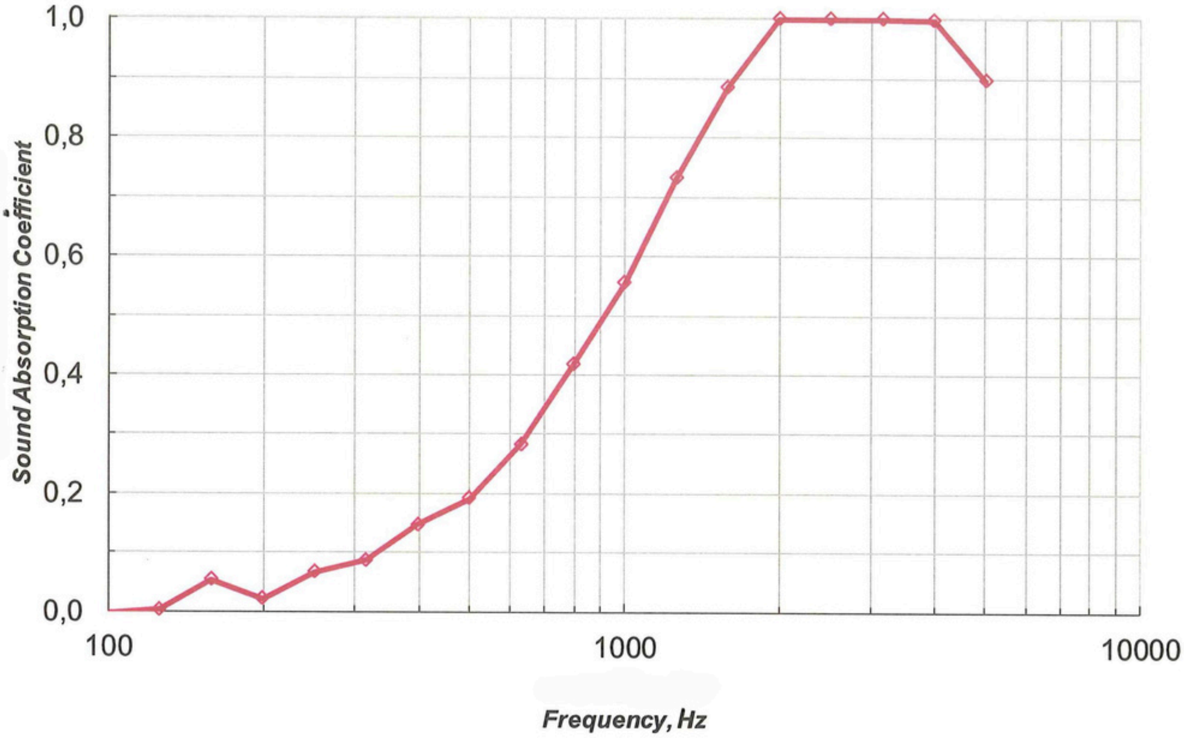


Figure 5. *Sound absorption coefficient versus frequency*

Table 2. *Weighted sound absorption coefficient and absorption class according to the ISO 11654:1997 standard*

Weighted Sound Absorption Coefficient, α_w	0,25
Sound Absorption Class	E
*Indicators**	M, H

** It is strongly recommended to use this single-number rating in combination with the complete sound absorption coefficient curve that can be obtained on request.*

Table 3. *NRC and SAA values calculated according to ASTM C423:2017 standard*

Noise Reduction Coefficient, NRC	0,45
Sound Absorption Average, SAA	0,45