

Measurement of sound absorption in a reverberation room ISO 354

Laboratory measurements of the sound absorption coefficient in a reverberation room

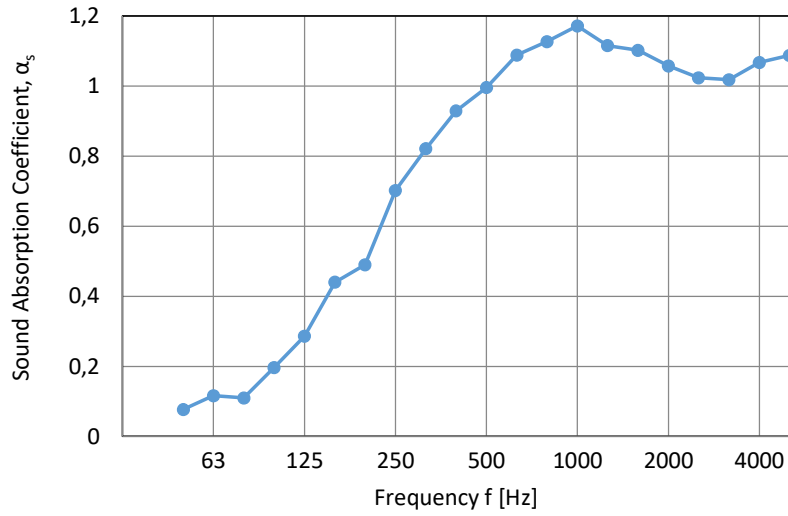
Manufacturer: Biçer Proje İnşaat Dek. San. Tic. Ltd. Şti.
Client: Biçer Proje İnşaat Dek. San. Tic. Ltd. Şti.
Test specimen mounted by: BLX-ARL
Description of test specimen: Feltbi Akustik Sert Keçe + İzobozz Feltbi Light Keçe

Date of test: 20.03.2025



Without specimen: θ [°C] 17,1 rH[%] 49 P[hPa] 1018 Room: 01
With specimen: θ [°C] 17,1 rH[%] 45 P[hPa] 1018 Volume: 223.2 m³
Specimen Area: 12,3 m²

Frequency f [Hz]	α_s 1/3 Octave	α_p Octave
50	0,1	
63	0,1	0,10
80	0,1	
100	0,2	
125	0,3	0,31
160	0,4	
200	0,5	
250	0,7	0,67
315	0,8	
400	0,9	
500	1,0	1,00
630	1,1	
800	1,1	
1000	1,2	1,14
1250	1,1	
1600	1,1	
2000	1,1	1,06
2500	1,0	
3150	1,0	
4000	1,1	1,06
5000	1,1	



α_s Sound absorption coefficient according to ISO 354

α_p Practical sound absorption coefficient according to ISO 11654

Rating according to ISO 11654:

Weighted sound absorption coefficient

$\alpha_w = 0,95$

Sound absorption class:

A

Rating according to ASTM C423:

Noise Reduction Coefficient NRC = 1,0

Sound Absorption Average SAA = 0,97

No of Test Report: BLX-R-SA-234

Name of test institute: BLX ACOUSTIC RESEARCH LAB.

Tested by
Salih Okan ERCAN

Reported by
Güven Elban

Approved by
Erda KARA

