

Sound Absorption Coefficient According To ISO 354

Measurement of sound absorption in a reverberation room, α_s

Date of test: **22.10.2018**

Client: BİÇER PROJE

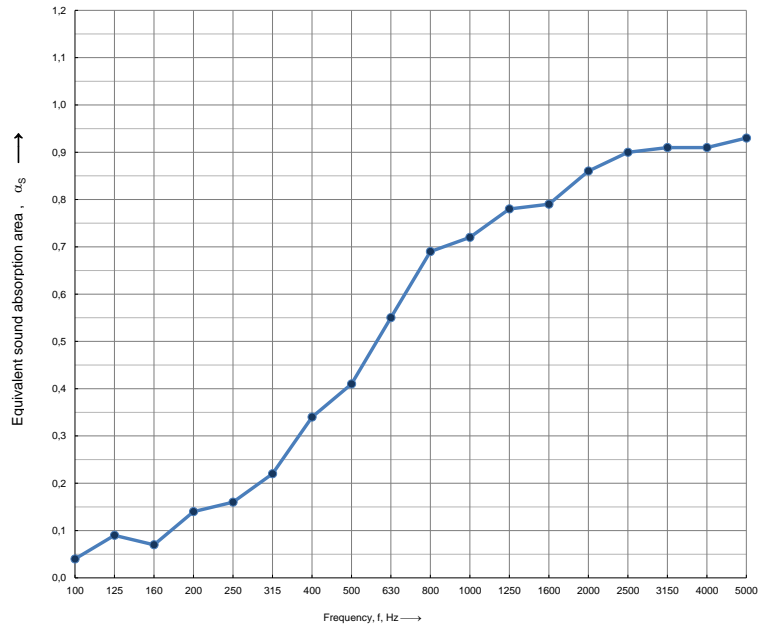
Object: FELTBİ 20 MM İZOBOZZ KEÇE(FELT)

Test Object Surface Area, S: 10,0 m²

Room Volume, V : 166,7 m³

Total Room Surface Area, S_r: 189,0 m²

Frequency f [Hz]	α_s 1/3 Octave	α_p 1/1 Octave
100	0,04	0,05
125	0,09	
160	0,07	
200	0,14	0,15
250	0,16	
315	0,22	
400	0,34	
500	0,41	0,45
630	0,55	
800	0,69	
1000	0,72	0,75
1250	0,78	
1600	0,79	0,85
2000	0,86	
2500	0,90	
3150	0,91	0,9
4000	0,91	
5000	0,93	



Weighted Sound Absorption Coefficient According To ISO 11654

Weighted Sound Absorption Coefficient, α_w = 0,45 (MH)

Sound Absorption Class : D

Sound Absorption Coefficient According To ASTM C423

Noise Reduction Coefficient, NRC = 0,55

Sound Absorption Average, SAA = 0,55

Name of test institute: AR-GE ACOUSTIC LAB

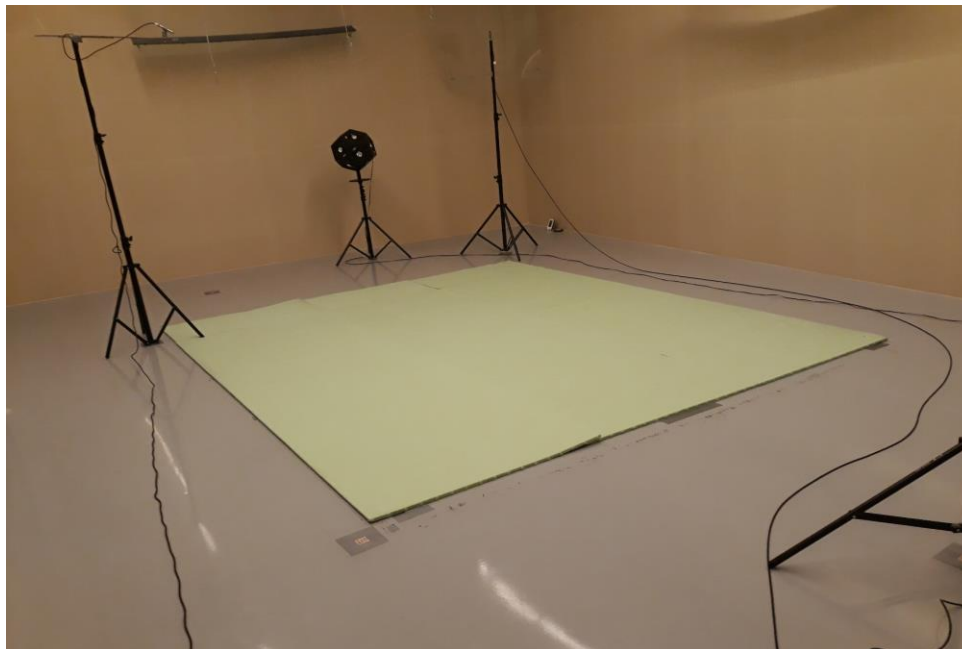
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Measurement of sound absorption area in a reverberation room, A_{obj}



Equivalent sound absorption area per object,

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