Appendix 1

Sound absorption coefficient measured according to SS-EN ISO 354

Measurement of sound absorption coefficient in a reverberation room

Client: Saint-Gobain Ecophon AB

Date of test: 2024-09-26

Description: ODS 200 mm

Object: Fade ONE Smooth 40 mm (A)

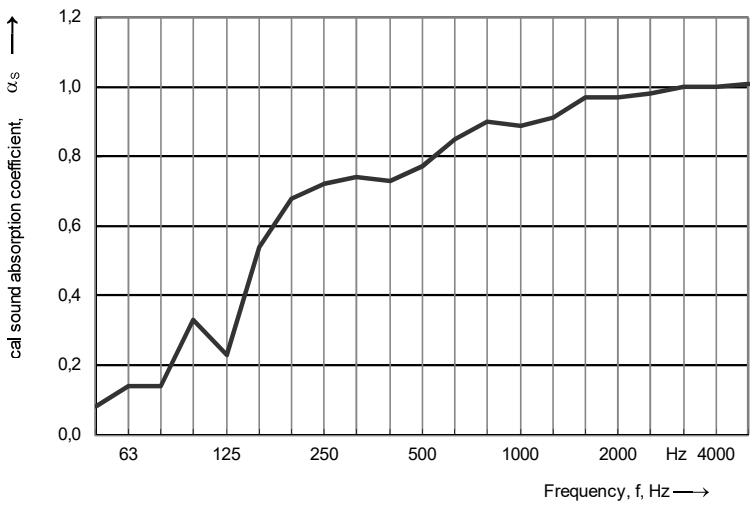
Empty reverberation room:		Reverberation room with object:	
Relative humidity:	81,9 %	Relative humidity:	80,5 %
Temperature:	20,8 °C	Temperature:	21,0 °C
Barometric pressure:	99,1 kPa	Barometric pressure:	99,1 kPa

Surface area: 10,80 m²

Room volume: 200,0 m³

Total room area S_t: 211,4 m²

Frequency f [Hz]	α_s 1/3 octave
50	0,08
63	0,14
80	0,14
100	0,33
125	0,23
160	0,54
200	0,68
250	0,72
315	0,74
400	0,73
500	0,77
630	0,85
800	0,90
1000	0,89
1250	0,91
1600	0,97
2000	0,97
2500	0,98
3150	1,00
4000	1,00
5000	1,01



SAA and NRC calculated according to C423

Sound Absorption Average SAA: 0,84

Noise Reduction Coefficient NRC: 0,85

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