Appendix 7

Sound absorption coefficient according to EN-ISO 11654

Measurement of sound absorption coefficient in a reverberation room

Client: Saint-Gobain Ecophon AB

Date of test: 2021-04-21

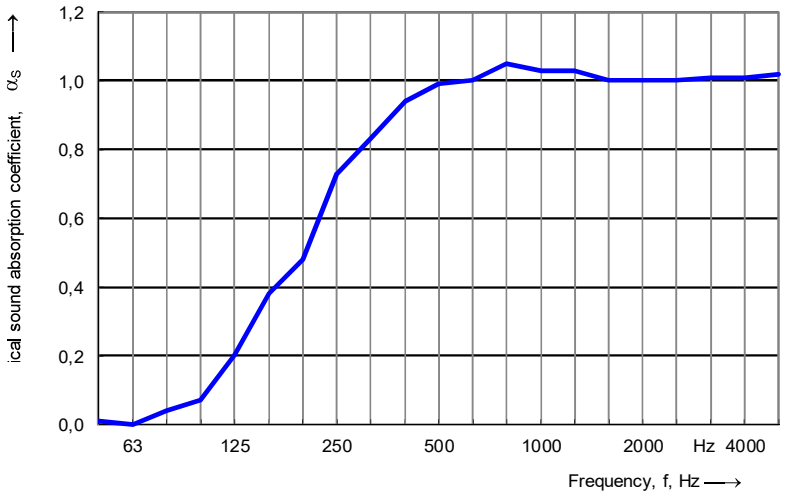
Description: Determination of sound absorption coefficient

Object: Akusto Wall / Akutex FT, 40 mm
ODS 45 mm

Empty reverberation room:		Reverberation room with object:	
Relative humidity:	79,3 %	Relative humidity:	74,6 %
Temperature:	20,4 °C	Temperature:	21,1 °C
Barometric pressure:	98,4 kPa	Barometric pressure:	98,3 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	0,01
63	0,00
80	0,04
100	0,07
125	0,20
160	0,38
200	0,48
250	0,73
315	0,83
400	0,94
500	0,99
630	1,00
800	1,05
1000	1,03
1250	1,03
1600	1,00
2000	1,00
2500	1,00
3150	1,01
4000	1,01
5000	1,02