

Appendix 9

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: 2024-06-13
 Description: ODS 30 mm

Object: Fade ONE Smooth 25 mm

Empty reverberation room:	Reverberation room with object
Relative humidity: 79,3 %	Relative humidity: 80,7 %
Temperature: 21,8 °C	Temperature: 22,3 °C
Barometric pressure: 98,9 kPa	Barometric pressure: 99,0 kPa

Surface area:	10,80 m ²
Room volume:	200,0 m ³
Total room area S _T :	211,4 m ²

Frequency f [Hz]	α_s 1/3 octave
50	0,01
63	0,00
80	0,02
100	0,03
125	0,07
160	0,21
200	0,32
250	0,51
315	0,68
400	0,84
500	0,86
630	0,85
800	0,97
1000	0,98
1250	0,89
1600	0,90
2000	0,91
2500	0,91
3150	0,89
4000	0,87
5000	0,89

SAA and NRC calculated according to C423

Sound Absorption Average SAA: 0,80

Noise Reduction Coefficient NRC: 0,80