

Appendix 1

Measurement of sound absorption area

Test	Measurement of sound absorption area in a reverberation room according to EN ISO 354.
Client	Saint-Gobain Ecophon AB
Object	Free standing floor screen type Akusto Screen with aluminium frame. Thickness: 40 mm Panel size: 1200 mm x 1500 mm
Date of test	December 7, 2020
Conditions	Room volume: 200 m ³ Temperature at measurement on object/in empty room: 19/ 19 °C Relative humidity at measurement on object/in empty room: 84/ 83 %

Frequency f [Hz]	A _{eq} per object	
	1/3 octave [m ²]	1/1 octave [m ²]
50	0,5	0,4
63	0,5	
80	0,3	
100	0,6	0,8
125	0,7	
160	1,1	
200	1,2	1,5
250	1,5	
315	1,8	
400	2,2	2,5
500	2,5	
630	2,8	
800	3,0	3,2
1000	3,2	
1250	3,3	
1600	3,4	3,5
2000	3,6	
2500	3,6	
3150	3,5	3,4
4000	3,4	
5000	3,4	

