

Appendix 3

Measurement of sound absorption area

Test Measurement of sound absorption area in a reverberation room according to EN ISO 354.

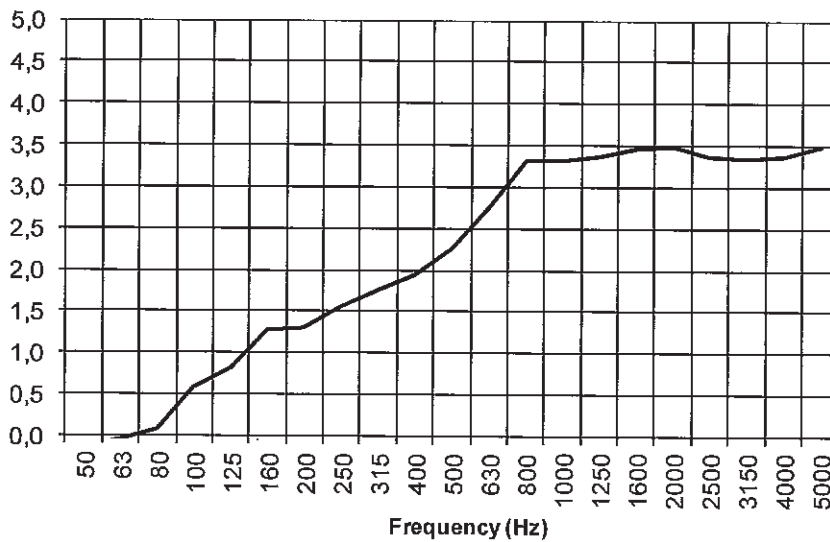
Client Ecophon AB
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Object Solo Circle
Number of objects during test: 2 objects discrete
Thickness: 40 mm.
Panel size: Ø 1600 mm.

Date of test April 25, 2012

Conditions Mounting depth: 400 mm.
Surface area: 4,01 m².
Room volume: 200 m³.
Temperature at measurement on object/in empty room: 22/ 22 °C.
Relative humidity at measurement on object/in empty room: 87/ 87 %.

Equivalent sound absorption area (m² Sabine).



Frequency (Hz)	A per each obj
50	-0,1
63	0,0
80	0,1
100	0,6
125	0,8
160	1,3
200	1,3
250	1,6
315	1,8
400	2,0
500	2,3
630	2,8
800	3,3
1000	3,3
1250	3,4
1600	3,5
2000	3,5
2500	3,4
3150	3,3
4000	3,4
5000	3,5