

Measurement of equivalent sound absorption area

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

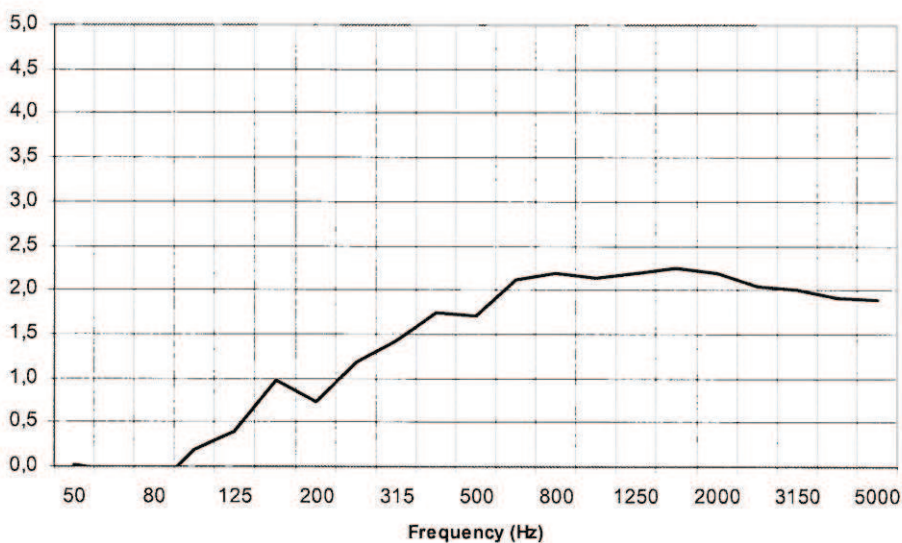
Client Ecophon AB
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Object Solo Square, Single panel
Thickness: 40 mm.
Panel size: 1200 mm x 1200 mm.

Date of test November 19-22, 2007

Conditions Mounting depth: 200 mm.
Room volume: 200 m³.
Temperature at measurement on object/in empty room: 19/ 19 °C.
Relative humidity at measurement on object/in empty room: 78/ 78 %.
Measurements wear made at 3 different positions in the reverberation room and the reverberation times wear averaged.

Equivalent sound absorption area



Frequency (Hz)	A obj
50	0,0
63	-0,1
80	-0,3
100	0,2
125	0,4
160	1,0
200	0,7
250	1,2
315	1,4
400	1,7
500	1,7
630	2,1
800	2,2
1000	2,1
1250	2,2
1600	2,3
2000	2,2
2500	2,0
3150	2,0
4000	1,9
5000	1,9