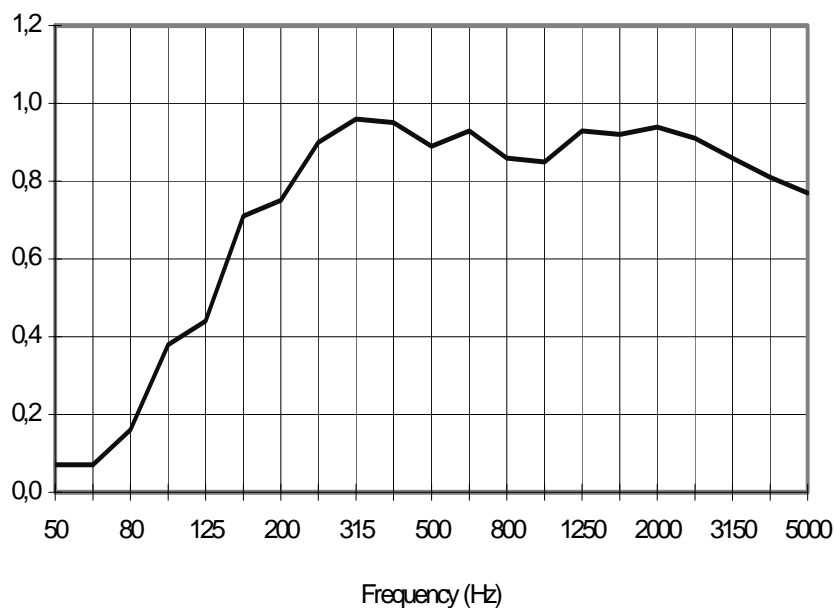


Measurement of sound absorption coefficient

Test Measurement of sound absorption coefficient in a reverberation room according to SS-EN 20354 (ISO 354).
 Client Ecophon
 Lena Hallkvist
 Object Access A
 Thickness: 25 mm.
 Panel size: 1405 mm x 1177 mm.
 Date of test January 16, 2003
 Conditions Mounting depth: 200 mm.
 Surface area: 10,8 m².
 Room volume: 200 m³.
 Temperature at measurement on object/in empty room: 18/ 20 °C.
 Relative humidity at measurement on object/in empty room: 84/ 82 %.
 Result Sound absorption class A according to EN ISO 11654.
 Weighted sound absorption coefficient $\alpha_w = 0,9$ according to EN ISO 11654.

Sound absorption coefficient



Frequency (Hz)	α_s
50	0,07
63	0,07
80	0,16
100	0,38
125	0,44
160	0,71
200	0,75
250	0,90
315	0,96
400	0,95
500	0,89
630	0,93
800	0,86
1000	0,85
1250	0,93
1600	0,92
2000	0,94
2500	0,91
3150	0,86
4000	0,81
5000	0,77

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