



Appendix 8

Measurement of sound absorption coefficient

Test Measurement of sound absorption coefficient in a reverberation room according to SS-EN 20354 (ISO 354).

Client Ecophon

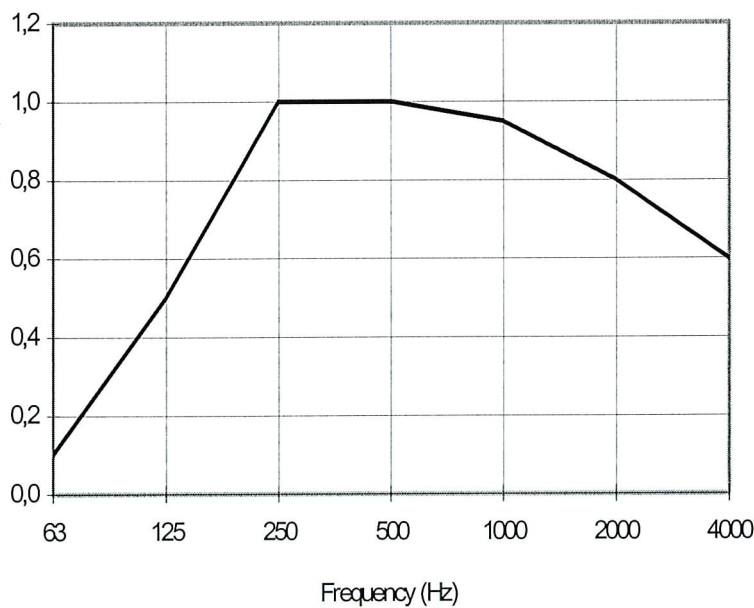
Object Christer Persson
Industry AL, 80 mm
Thickness: 80 mm.
Panel size: 1200 mm x 600 mm.

Date of test November 29, 2005

Conditions Mounting depth: 80 mm.
Surface area: 10,8 m².
Room volume: 200 m³.
Temperature at measurement on object/in empty room: 19/ 19 °C.
Relative humidity at measurement on object/in empty room: 85/ 86 %.

Result Sound absorption class B according to EN ISO 11654.
Weighted sound absorption coefficient $\alpha_w = 0,8(L)$ according to EN ISO 11654.

Practical sound absorption coefficient



Frequency (Hz)	α_p
63	0,10
125	0,50
250	1,00
500	1,00
1000	0,95
2000	0,80
4000	0,60