



Appendix 6

Measurement of sound absorption coefficient

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

Client Ecophon AB

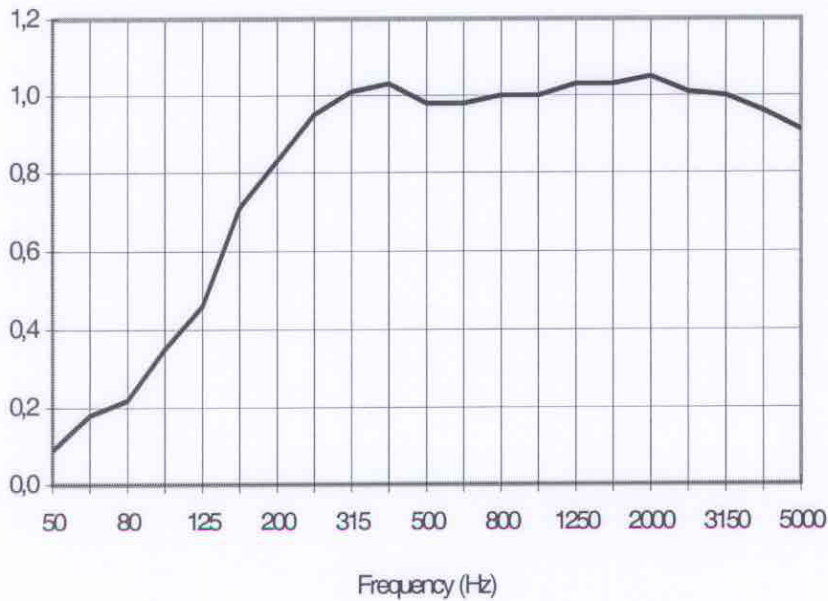
Object Christer Persson
RTP
Thickness: 50 mm.
Panel size: 1200 mm x 600 mm.

Date of test June 9, 2005

Conditions Mounting depth: 200 mm.
Surface area: 10,8 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/ 85 %.

Result Sound absorption class A according to EN ISO 11654.
Weighted sound absorption coefficient $\alpha_w = 1$ according to EN ISO 11654.

Sound absorption coefficient



Frequency (Hz)	α_s
50	0,09
63	0,18
80	0,22
100	0,35
125	0,46
160	0,71
200	0,83
250	0,95
315	1,01
400	1,03
500	0,98
630	0,98
800	1,00
1000	1,00
1250	1,03
1600	1,03
2000	1,05
2500	1,01
3150	1,00
4000	0,96
5000	0,91