

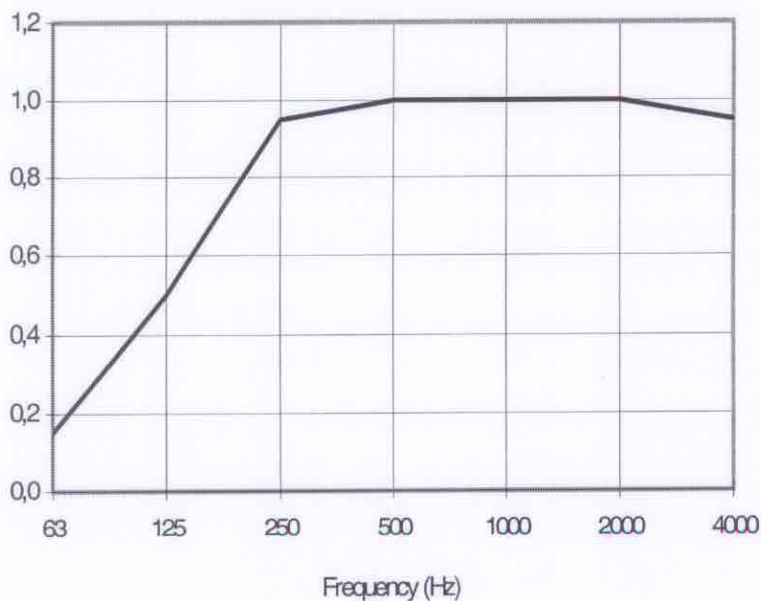


Appendix 6

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
 Christer Persson
Object 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.

Practical sound absorption coefficient



Frequency (Hz)	α_p
63	0,15
125	0,50
250	0,95
500	1,00
1000	1,00
2000	1,00
4000	0,95