

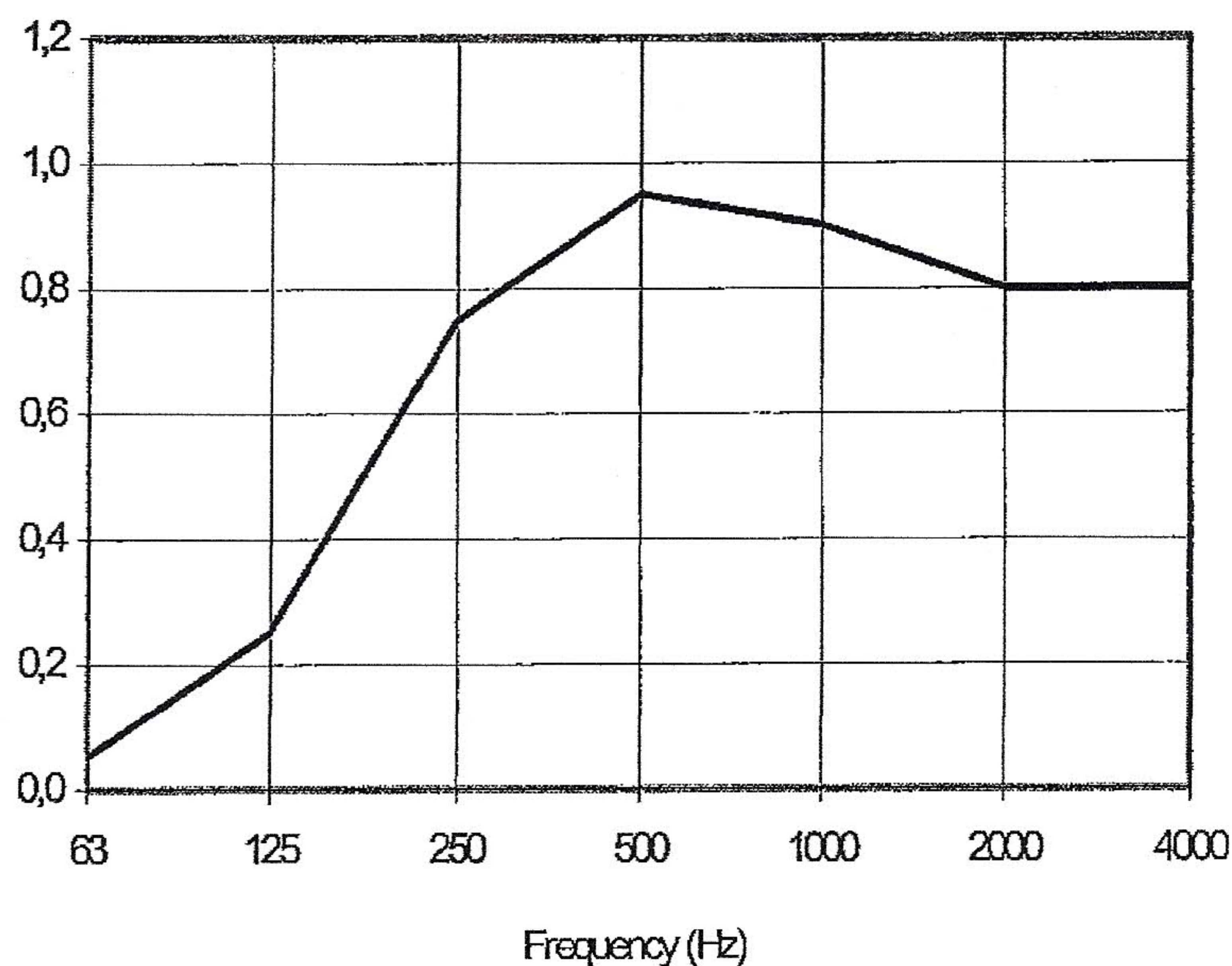


Appendix 6

Measurement of sound absorption coefficient

Test Measurement of sound absorption coefficient in a reverberation room according to SS-EN 20354 (ISO 354).
 Client Saint-Gobain Ecophon AB
 Christer Persson
 Object Lithos A
 Thickness: 22 mm.
 Panel size: 1200 mm x 1200 mm.
 Date of test March 23, 2005
 Conditions Mounting depth: 100 mm.
 Surface area: 10,8 m².
 Room volume: 200 m³.
 Temperature at measurement on object/in empty room: 20/ 20 °C.
 Relative humidity at measurement on object/in empty room: 86/ 85 %.
 Result Sound absorption class A according to EN ISO 11654.
 Weighted sound absorption coefficient $\alpha_w = 0,9$ according to EN ISO 11654.

Practical sound absorption coefficient



Frequency (Hz)	α_p
63	0,05
125	0,25
250	0,75
500	0,95
1000	0,90
2000	0,80
4000	0,80