

Appendix 19

Measurement of sound absorption coefficient

Test Measurement of sound absorption coefficient in a reverberation room according to EN ISO 354 and evaluation according to EN ISO 11654

Client Ecophon AB
Christer Persson

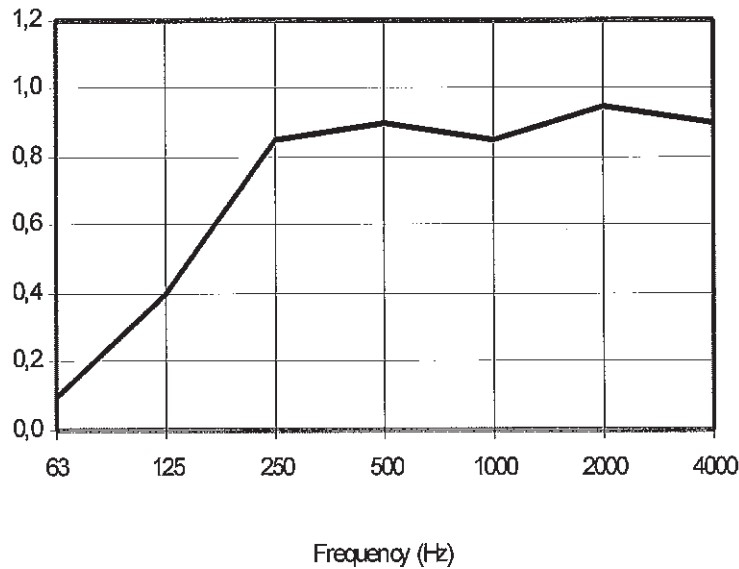
Object Access E
Thickness: 25 mm.
Panel size: 1200 mm x 600 mm.

Date of test December 11, 2008

Conditions Mounting depth: 200 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/ 86 %.

Result Sound absorption class A.
Weighted sound absorption coefficient $\alpha_w = 0,9$.

Practical sound absorption coefficient



Frequency (Hz)	α_p
63	0,10
125	0,40
250	0,85
500	0,90
1000	0,85
2000	0,95
4000	0,90