



Appendix 10

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

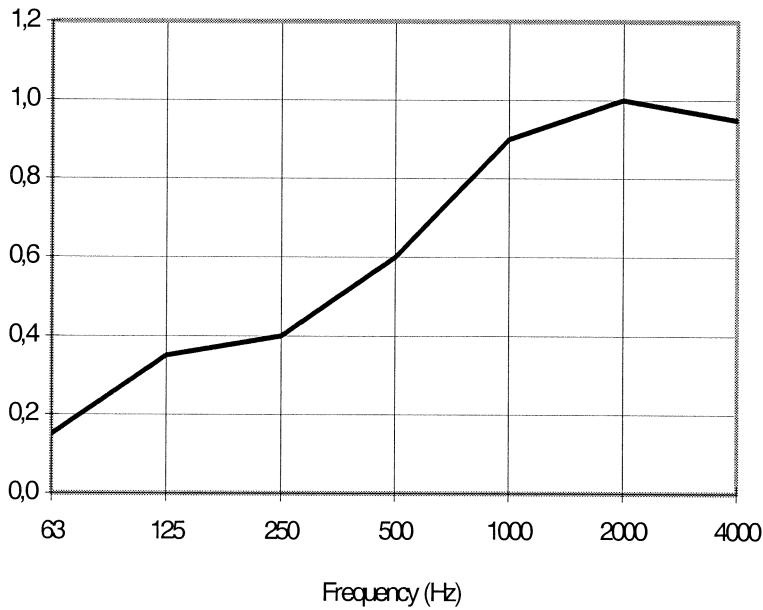
Object Christer Persson
Combison Uno D
Thickness: 30 mm.
Panel size: 600 mm x 600 mm.

Date of test February 15, 2006

Conditions Mounting depth: 200 mm.
Surface area: 10,8 m².
Room volume: 200 m³.
Temperature at measurement on object/in empty room: 18/ 18 °C.
Relative humidity at measurement on object/in empty room: 82/ 82 %.

Result Sound absorption class C according to EN ISO 11654.
Weighted sound absorption coefficient $\alpha_w = 0,65$ (MH) according to EN ISO 11654.

Practical sound absorption coefficient



Frequency (Hz)	α_p
63	0,15
125	0,35
250	0,40
500	0,60
1000	0,90
2000	1,00
4000	0,95