

Appendix 8

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

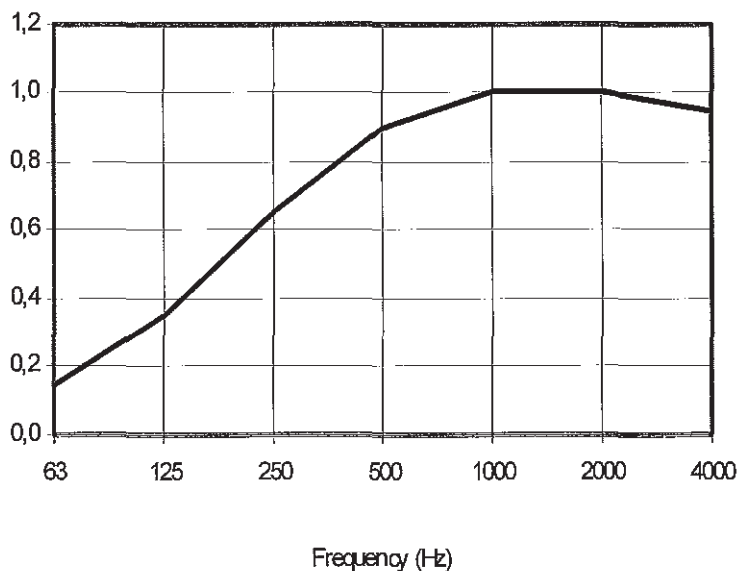
Object Combison Due A/alpha
Thickness: 53 mm.
Panel size: 600 mm x 600 mm.

Date of test October 27, 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: 84/ 84 %.

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

Practical sound absorption coefficient



Frequency (Hz)	α_p
63	0,15
125	0,35
250	0,65
500	0,90
1000	1,00
2000	1,00
4000	0,95