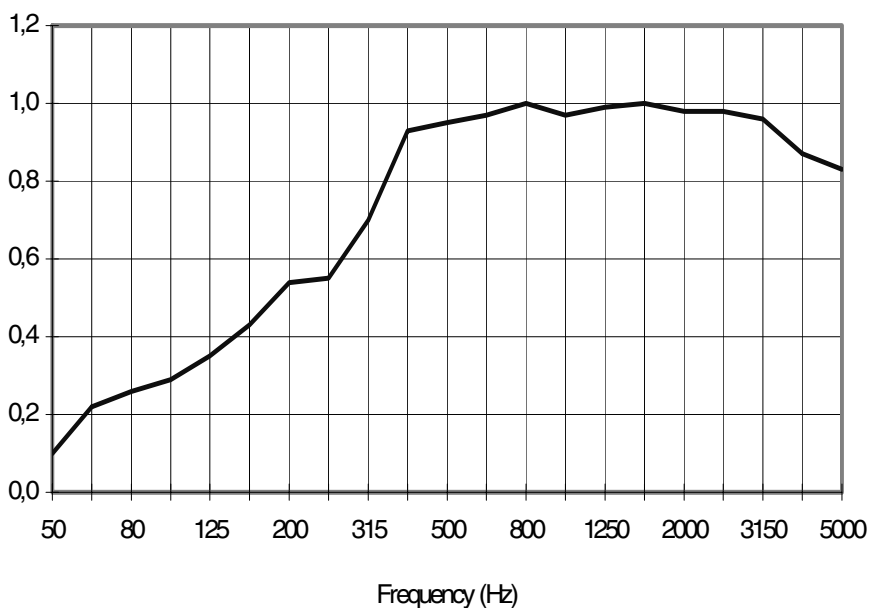


Measurement of sound absorption coefficient

Test Measurement of sound absorption coefficient in a reverberation room according to SS-EN 20354 (ISO 354).
Client Ecophon AB
Object Lena Hallkvist
 Combison Duo E
 Thickness: 55 mm.
 Panel size: 600 mm x 600 mm.
Date of test April 22, 2004
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: 90/ 90 %.
Result Sound absorption class A according to EN ISO 11654.
 Weighted sound absorption coefficient $\alpha_w = 0,9$ according to EN ISO 11654.

Sound absorption coefficient



Frequency (Hz)	α_s
50	0,10
63	0,22
80	0,26
100	0,29
125	0,35
160	0,43
200	0,54
250	0,55
315	0,70
400	0,93
500	0,95
630	0,97
800	1,00
1000	0,97
1250	0,99
1600	1,00
2000	0,98
2500	0,98
3150	0,96
4000	0,87
5000	0,83

SP Swedish National Testing and Research Institute
Acoustics

Hans Jonasson
 Technical Manager

Mohammad Jalalian
 Technical Officer