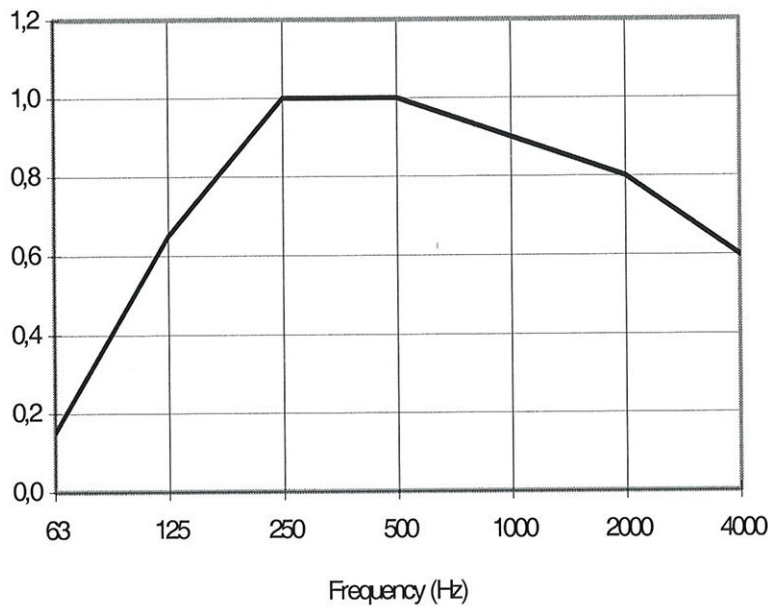


Measurement of sound absorption coefficient

Test Measurement of sound absorption coefficient in a reverberation room according to SS-EN 20354 (ISO 354).
Client Saint-Gobain Ecophon AB
 Fredrik Nilsson
Object Ecophon Industry AL
 Thickness: 100 mm.
 Panel size: 2400 mm x 1200 mm.
Date of test February 24, 2004
Conditions Mounting depth: 100 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: 93/ 93 %.
Result Sound absorption class B according to EN ISO 11654.
 Weighted sound absorption coefficient $\alpha_w = 0,8(L)$ according to EN ISO 11654.

Practical sound absorption coefficient



Frequency (Hz)	α_p
63	0,15
125	0,65
250	1,00
500	1,00
1000	0,90
2000	0,80
4000	0,60