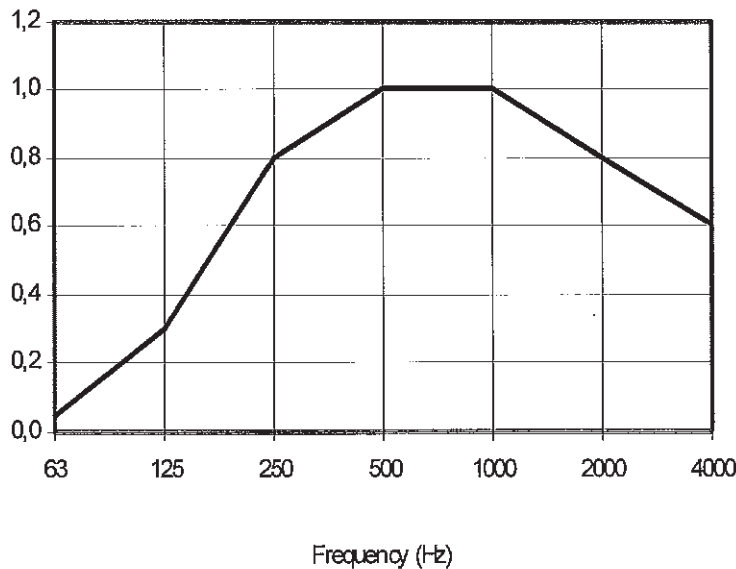


Measurement of sound absorption coefficient

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	Industry AL A Thickness: 50 mm. Panel size: 1200 mm x 1200 mm.
Date of test	December 11, 2008
Conditions	Mounting depth: 50 mm. Surface area: 10,8 m ² . Room volume: 200 m ³ . 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 B . Weighted sound absorption coefficient $\alpha_w = 0,8$.

Practical sound absorption coefficient



Frequency (Hz)	α_p
63	0,05
125	0,30
250	0,80
500	1,00
1000	1,00
2000	0,80
4000	0,60