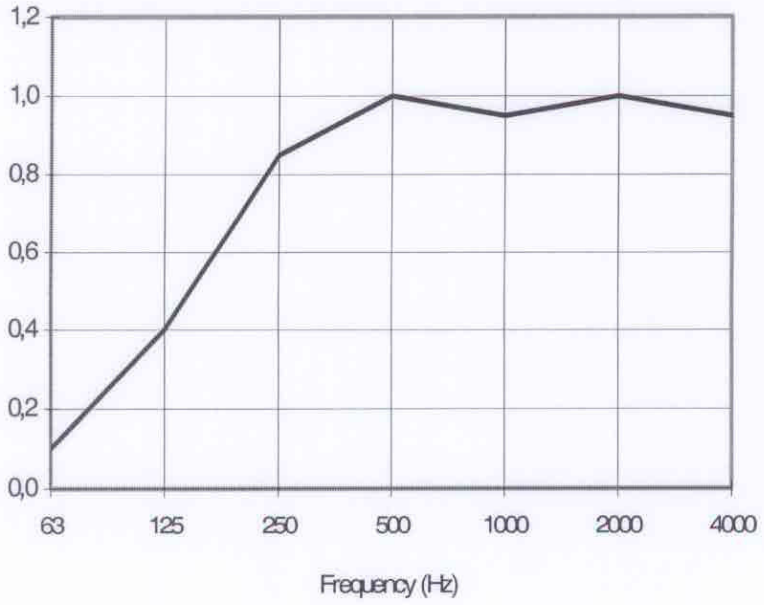
Measurement of sound absorption coefficient

Test	Measurement of sound absorption coefficient in a reverberation room according to SS-EN 20354 (ISO 354).
Client	Ecophon AB Christer Persson
Object	RTP Thickness: 30 mm. Panel size: 1200 mm x 600 mm.
Date of test	June 9, 2005
Conditions	Mounting depth: 200 mm. Surface area: 10,8 m^2. Room volume: 200 m^3. Temperature at measurement on object/in empty room: 22/ 22 °C. Relative humidity at measurement on object/in empty room: 86/ 85 %.
Result	Sound absorption class A according to EN ISO 11654. Weighted sound absorption coefficient α_w = 1 according to EN ISO 11654.

Practical sound absorption coefficient



Frequency (Hz)	α_p
63	0,10
125	0,40
250	0,85
500	1,00
1000	0,95
2000	1,00
4000	0,95