



Appendix 3

**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

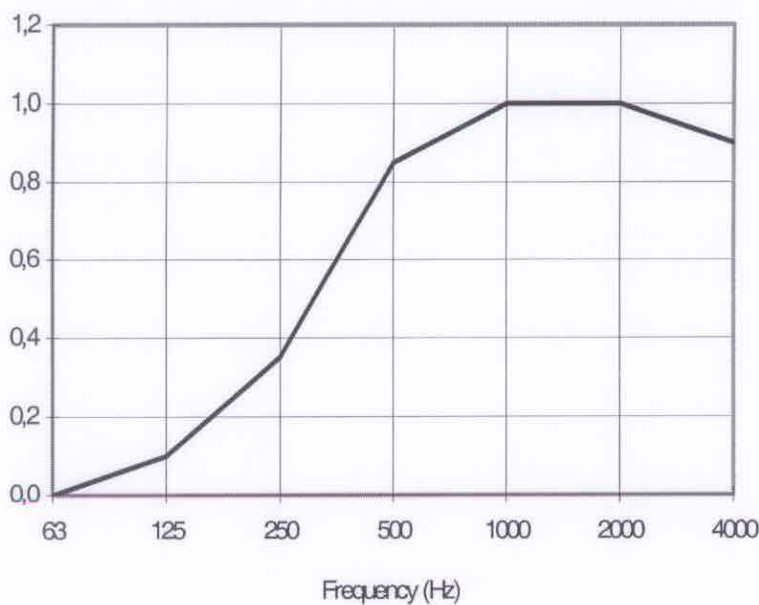
Object RTP  
Thickness: 30 mm.  
Panel size: 1200 mm x 600 mm.

Date of test June 8, 2005

Conditions Mounting depth: 30 mm.  
Surface area: 10,8 m<sup>2</sup>.  
Room volume: 200 m<sup>3</sup>.  
Temperature at measurement on object/in empty room: 22/ 22 °C.  
Relative humidity at measurement on object/in empty room: 88/ 85 %.

Result Sound absorption class C according to EN ISO 11654.  
Weighted sound absorption coefficient  $\alpha_w = 0,65$ (MH) according to EN ISO 11654.

Practical sound absorption coefficient



Frequency (Hz)	$\alpha_p$
63	0,00
125	0,10
250	0,35
500	0,85
1000	1,00
2000	1,00
4000	0,90