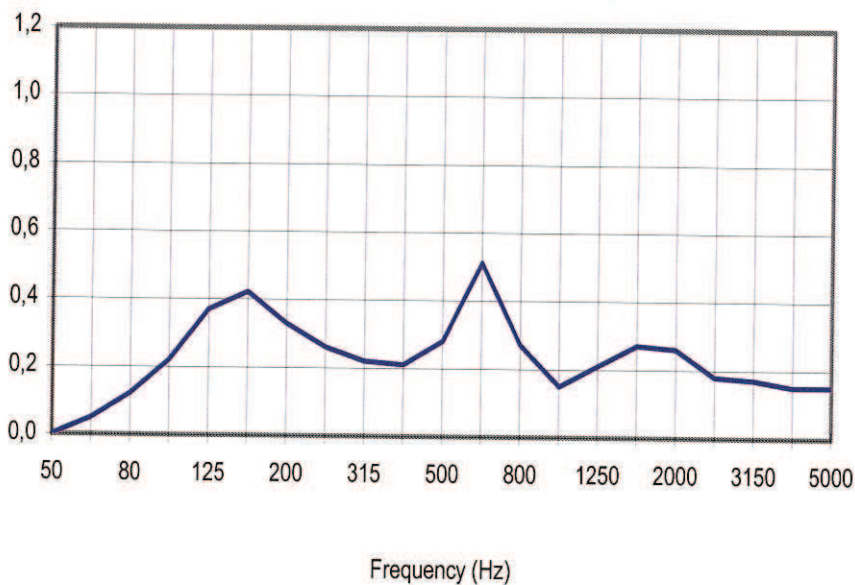


Appendix 4

### 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** Saint-Gobain Ecophon AB  
**Object** Ecophon Akusto Wall C/Texona gamma  
 Thickness: 40 mm  
 Panel size: 2700 mm x 600 mm  
 Mass per square metre: 4,69 kg/m<sup>2</sup>  
**Date of test** February 26, 2014  
**Conditions** Mounting depth: 40 mm  
 Surface area: 10,8 m<sup>2</sup>  
 Room volume: 200 m<sup>3</sup>  
 Temperature at measurement on object/in empty room: 20/ 20 °C  
 Relative humidity at measurement on object/in empty room: 79/ 79 %  
**Result** Sound absorption class **E**  
 Weighted sound absorption coefficient  $\alpha_w = 0,25$

Sound absorption coefficient



Frequency (Hz)	$\alpha_s$
50	0,00
63	0,05
80	0,12
100	0,22
125	0,37
160	0,42
200	0,33
250	0,26
315	0,22
400	0,21
500	0,28
630	0,51
800	0,27
1000	0,15
1250	0,21
1600	0,27
2000	0,26
2500	0,18
3150	0,17
4000	0,15
5000	0,15